Ipswich. May 16. 1833 —

Dear Sir,

I had the great pleasure of rec^{d} your letter in due course - I had however previously ascertained through the member for Uxbridge. that you were still there — I had mislaid your former letter, so it was not filed, nor being answered - I have now found it, & will notice its contents in order first —

Fort Gratiot (the locality of American Hudsoniana) is at the Southern extremity of Lake Huron

I only feared that Botrychium — would be among Hooker's Canada plants.

I should be glad to send Chandler a few specimens if I had an opportunity - but I must first answer my old correspondents before I make new - I think of going to Vermont myself in 2 or 3 years - the last thing before I publish -

I have great faith that Valerian & V. officinalis - I wish you would make any use of this or any other species you please - Dewey wrote me a long while ago that he was going to publish a treatise on Carices, with all Torrey's materials given to him, & wanted any new species I had - I have not answered him - all the new species were collected by you - if you would like to send them to him, I have not the least objection - I could not answer him until I had first written to you -

I believe I found U. inflata formerly in Cambridge where Big. does say it grows, but I have not seen it since -

I am very glad that you succeeded in raising so many plants, especially Cenolteus, & hope you will keep them carefully - I raised only Alisma sagittata from seeds found by you in Vermont - I feel much more interest now in living plants & the cultivation of them. I have got my garden in some order this spring, & mean to get as many native plants in as I can reindily can - especially those which I cannot well otherwise examine - I got from the Kenrick's nursery this spring - Sorbus (Americana & European) Tsuga palustris - flowered - Lauus Benzoin. do. Podophyllum, Rhododendron maximum - Diospyrus - (winter-killed I fear.) Viburnum oxycoccus - Actaea racemosa -

I have not heard from Beardsley a word since I wrote you the last time but one - I should like to hear very well - He is a true "lover of Botany - & has made a large collection -

The plants which he sent for you are in my possession.
& I will bring them when I come — they are few in number.
as were the additional species sent me at the same time —

Sir Loudons Encyclopaedia of Gardening is a figure of a Scirpus cultivated by the Chinese for its tuberous roots, which almost exactly resembles the Pondicherry pond Scirpus both in roots stem & triple. culian spike — I have scarcely any doubt your species is new —

De Candolle's work goes on regularly — In the 4 vol. he says he shall publish the whole Compositae in the 5th — It has gone on regularly a Vol. every 2 years — I will bring on my 2 vols. of my first set & send for the remainder for you when I send again — There are many pretended Importers in Boston, & most of them not to be depended on — I have been deceived half the time I have sent —

As it uncertain what time I shall come. I hope you will not for a moment trouble yourself about it, when you are ready to visit your friends — Only write me by mail before you start that you are gone, which will reach me in 2 days — or less — I think I shall come in June, but I particularly beg you will not wait or alter your arrangements in any manner, only write — I am determined to come, if nothing very particular prevents — Hoping that this will find you in health & prosperity I remain yours. truly —

Jno Oakes.

IPSWICH
MAY 17
MASS

single.

10

To James W. Robbins, M.D.

Uxbridge.

Mass.

In July. 1839, I visited Plymouth & in addition to the already known rarities of that region

Empetrum Conradi. Coreopsis rosea.
Rhizanthus Crista Galli. Drosera filiformis.
Utricularia Greenii.

which were shown to me by our kind Botanical friends Gilbert, A. L. Russell, Watson, & Bradford, I found

Conioselinum Canadense.
Eleocharis Robbinsii.
Myriophyllum?
Myriophyll. ambig. var. capill.
Solidago odora, var. without the sweet scent.
Eleocharis - - at Salt Pond.

Polygala cruciata - var. alba.
Poly. fod. Phegopteris the first time in the East of Mass.
Lycop. alopecuroides.
Scirpus subquarrosus.
Aster spectabilis &c. &c.

Mr. Gilbert found during my stay Proserpinaca pectinata.

Mr. Tuckerman came down & staid a week while I was there - I showed him a great number of Cyperaceae, Gramineae, &c. & many other plants of N.E. new to him & he found

Eleocharis olivaceus, & Ceratophyllum macr. var. inundatus, which grows in a pond by itself, where the water remains nearly at a uniform level - (the common var.ty grows on the more or less exsiccated borders.

I pointed out to him an Eleocharis as E. tuberculosa, which he sent to you in the fall in its mature state, & you det.d to be E. melanocarpa.

Our Plymouth friends showed us in one pond (Cook's Pond") Utricularia purpurea, gibba, ceratophylla, cornuta, & Greenii. On the borders of this & the other ponds Sabbatia ~~gr~~ chloroides grows in profusion.

(over.

We went in search of Pulmonaria maritima, but the last specimens had been eradicated, according to the wicked manner of gathering of our Plymouth friends. I cannot find who first found this plant at Plymouth, or any of the other "known rarities" mentioned at the beginning - They have been known many years to the Plymouth Botanists. Drosera filiformis was found ~~first~~ however 20 or 30 years ago by Judge Davis.

In September I visited Plymouth again in my waggon & found

Sclenia reticulata for the first time in N.E.
Psilocarya scirpoides ——
Fuirena squarrosa. β pumila
Panicum verrucosum. &c. &c.
proliferum -

I wrote to Mr. Tuckerman, who came down & staid 2 or 3 days & I brought him back to Cambridge - almost smothered with specimens.

Having lost or mislaid my notes taken in 1839, I went down again this summer to take fresh & full ones of living plants. I found the ponds high, the water having greatly risen, - I did not look for more species - but got on Plymouth beach abundance of Cyperus Grayii, which I have also found at Plum Island, Mass. at the mouth of the Merrimac. I also found Salicornia ambigua, Mich. which I had previously found at Martha's Vineyard. & which Pickering found at Gloucester. Mass. - also Cyperus retrorsus. & Polygonum Penns. (not found in this vicinity) & Eleo. melan. var. vivipara.

Besides the above plants I found in 1839 many others rare to me - ~~Hedysar~~ Desmodium Marylandicum, rigidum, & Lespedeza cap. var. angust: which was previously noticed by Mr. Bradford. &c. -
Mr. Gilbert found the curious vart. of Salix tristis. (var tristissima or gilberti.

(over

According to Biggelow, Greene found Schwalbea in Plymouth, but we did not meet with it. & the Plymouth Botanists know nothing about it. John Lewis Russell says it is abundant in some parts of Worcester Co. Mass.

Plymouth is a very remarkable region - it is a town 16 miles long & 14 broad - & the whole, except a narrow strip, ½ to 1 mile wide of good land on the sea shore, remain in nearly the same condition that the Pilgrims found it in - the soil is gravel - incurably barren, much worse than Nantucket sand - & is covered with a growth of Oaks & Pitch pines of mod. size - which are continually cut ~~& burned~~ for fuel - 6 or 8 miles back from the village we came in many places to a virgin forest of pitch pines which have never felt the axe growing at regular distances from each other, so that corn might ripen between, so bad is the soil - but the trees are of good size 5 feet in circumference. The "May Flower", Epigaea repens grows every where in abundance, & in many parts are large quantities of Arbutus Uva Ursi: ~~&~~ The town is dotted all over with small ponds without outlet - there are several hundred of them - but Cook's Pond & West Ponds contain all the species that I have found on the borders of any - though I visited some dozens, in diff. parts & distant parts & ex^d them carefully. It is a most interesting & convenient region for a N.E. Botanist -

Wm Oakes

Answd April 21

Ipswich. Jan. 31. 1842.

Dear Sir,

I had the pleasure of recd. the copy of Endlicher at noon last Satday! you can easily reckon what time it takes to go to N. York & return to Ipswich by express. I am much obliged to you for the trouble - I do not understand this unaccountable dearness of a German book - I hope the author gets the money & not the publishers - It is truly a work of great labour & I have no doubt of substantial excellence - though some of it is already far behind the rapid progress of botanical investigation -

I send you a set of specimens of Solidago Hamiltonii, & the other species you requested for examination - The difference in the pubescence of achenia appears to be constant in many specimens of S. virgaurea & thyrsoidea -

I send also White Mtn specimens of thyrsoidea. not quite in flower, it certainly flowers as late at the base as the alpine virgaurea above near the lower summits - I have never seen it more than 5 or 600 feet above limits of trees. S. thyrsoidea flowers so late that I have scarcely seen it more than once in flower at the sides & base of White Mts, & Dr. R. did not get his Manitoba specs in full flower until the last day of July. Still I have all sorts of doubts as to the two species being distinct - but if S. thyrsoidea differs plainly from European low country specimen of virgaurea, I shall not blame you for keeping it distinct at present -

You will see that I was right as to Bigelow's
S. macrofolia, that it is flexicaulis & not thyrsoidea, as you supposed. the "large acute, divergin serratures" &c. settle it, & he has no flexicaulis if this is not it.

His virgaurea a. "from 1 to 3 feet high in woods & the sides of W. Mts" is evidently thyrsoidea with "its very large flowers" see his whole desc. of both — there is no doubt of either.

I write in great haste & shall send to you again before long —

I saw G. B. Emerson when at Boston last Thursday. I made him promise to call on you at Greenough — I told him that there were thousands of rich men who would willingly subscribe for the Flora. if any person who possessed their confidence told them it was an national work. & ought to be supported for the honour of the country — & that no doubt he & his friends could get 100 good subscribers in Boston — He said they could & ought — And I have little doubt they will. & I shall not be wanting in putting him in mind of it —

I hope you arrived home in good health, & have fully recovered our late hours. I hope you will come & spend some time at your leisure, & go into the fields with me — there are doubtless many species here you have not seen growing — & there is a great number & variety & rare species, of the North, &c &c within a few miles, on a side of an hour in my waggon — Arenaria peploides, Hudsonia tom. Poa maritima. Glaux. Hordeum jubatum. Lathyrus maritimus. Juncus Balticus, &c &c on the sea shore —

The specimens to be returned you can keep until I send a list of desiderata — I shall make up a parcel of plants & send you as soon as I get assistance

I remain, yours. very truly,

Jno Oakes.

To Asa Gray. M. D.

New York.

Ipswich. May 2. 1842.

Dear Sir,

I take great pleasure in congratulating you on your election as Professor of Natural History at Cambridge - & I also think it among the best appointments they ever made there. I only hope that you will escape the benumbing effects of the Cambridge atmosphere, which has often subdued the energies of the most active men, & which assisted a little perhaps by old age; has even tamed the indomitable Mayor of Boston. Josiah Quincy. I hope you will allow nothing to essentially divert you from the prosecution of your N. A. Flora, which must go on now + I presume they will expect little of you for some years except Botany - You will very easily acquire so sufficient knowledge of the other branches to lecture, & have time enough in respect to fulfil all the duties of the office twice as well as they ever were yet.

I rec'd by Mr. Carey the copy of Linnaeus - I must have a copy as soon as possible - Is there no other copy in N. York? or one you can borrow until you can get one - which would save the translatation - If not, just write me, & I will send the copy immediately by Harnden's Express.

When do you expect to come on to Cambridge, & take possession? We shall feel pretty strong in Botany in N. England - with you & Dr. Torrey's Herbarium - parts of which, at least the whole, you will of course bring -

I shall hope to see you before long, either here or at Cambridge -

Now let me send you some notes on your last number - & first that I may not forget it let me say that I think it may wrong to quote Mr. Nicollet, alone & omit the true Botanists, Geyer. We might about as well quote Major Long, instead of James. In fact botanists will "correct the procedure" as Gen. Jackson says - All praise to Mr. Nicollet for giving you the specimens, but the botanist who collected them is the man to quote, & whose authority is relied on for the localities. I should say "Geyer in Nicollet's Expedition." but always Geyer at any rate -

Solidago ~~-~~ lexicaulis - I should say, it being Linnaeus' first & foundation species - he says "S. latifolia is too near it -" as to Smith' confusing it with S. cassia - what is it? Linnaeus' herb. is no auth. at all, contrary to character. If I have never seen any thing intermediate between cassia & flexicaulis.

Solidago squarrosa - I entirely agree with you -

Solidago bicolor - I have specimens from Vt. with pale but distinctly yellow rays. just intermediate.

Solidago stricta I have never seen except as a ray of neglecta?

S. thyrsoidea is beyond doubt S. virgaurea - I have specimens from the limits of trees, (which I hunted up since you were here,) just intermediate ~~with~~ between it & S. & My Siberian S. Virg. from Fischer is not far from thyrsoidea. I have not the slightest doubt that they are the same as the white Alb. high & low - & scarcely that least that the European is the same -

S. patula is prob. a var. of S. Muhl. or your arguta - I have it not. only a spec.n from Carey.

Sol. ellipta - New York I never want.

S. arguta: then is not the least doubt, (& the herb. does not contradict, if it did, it would be nothing,) that your Muhl. is = Aster argutus. Most probably some confused specimens of your arguta closely approached in your Muhl. your B. juncea, if truly distinct from S. Muhl. must be S. juncea.

S. linoides - I told in Upsalia last fall, but it was forgotten by me who saw them - I rather considered it as an open ground state of S. neglecta.

S. Ulmifolia - a shaded & rather starved altissima - evidently -

S. tenuifolia is generally (always?) found in N.S. in low moist ground & margin of ponds.

I wish you would tell me who found Baccharis halimifolia in Ct. & where - I have it not & also who is the authority for N. England specimen of S. patula of Solidago patula.
Who found H. trachelifolium in N. E.
Mr J. A. Greene, not Green. I believe he is a relation of the old General.

V. Siegesbeckia should be V. occidentalis. Original specific name Siegesbeck. was on of the persecutors of Linnaeus; his name is not to stand, except strongly absurd, nauseous, or false - to keep contrary to rule. no other rule will prevent the "chaos from coming again" - In every branch of Nat. Hist. Botanists are now disposed to put it in full force. I have observed that Dr. Torrey & yourself ~~have~~ act very fast & loose in this matter - sometimes sticking to the old name at any rate - at other times, in no different circumstances, easily leaving it.

Adlumia cirrhosa must be A. fungosa & sic de cæteris.

If you have done with the specimens sent you, just hand them to Carey, who will see them as with his own when he sends, & not before, unless sent for - Tell him, I thank him heartily for his letter, Catalogue & specimens, which he so promptly sent, & which were rec.d in good order - I shall send another parcel in ~~a few weeks~~ a few weeks. D.V.
When will a copy of the Codex Linn. arrive, if sent for now from N. York? Have you heard lately from Nuttall?
Does he come back to U.S? &c. Yours, very truly,
Jno Oakes.

see questions also near top of this page.

To Asa Gray, M. D.

New York.

Mem. W. & W.

Ipswich Dec. 1843

Dear Sir -

I must plead guilty to great neglect in not answering your letter. but I was hoping that I should be able to come up & see you - which I now fear I shall not be able to do, for I have had a bad ~~cold~~ cold for some weeks, which keeps me pretty closely within doors. I was rejoiced to hear of your safe arrival, & hope that your success has exceeded your expectations - It seems my letter from the White Mts. did not reach you in season for the tin boxes, which I greatly regret, as I have no doubt you would have found them most convenient -

My success at the White Mts. rather exceeded my expectations, though the season was the wettest & most unfavorable ever known, & I had scarcely any opportunity to seek for additional species - Besides collecting every species of Phaen. plant ever collected by myself, Dr. Robbins, ~~in any other~~ in any other botanist, I got

Gnaphalium supinum
in a new & distant
locality from Mt Hall.
&
Carex atrata.
in two localities

not coll. by me or Dr. R. before.

Festuca vivipara.
&
Luzula arcuata.

alpine species never collected before by any body.

At the base, I got Pyrola minor, in a new & distant locality, but scarce - Listera cordata convall. Paronychia argyr. in the Notch sides, (Saxifraga macrophyllum, found them only here by Barratt.) with other less interesting species - But my main object, in which I succeeded well was to make detailed description of the living plant, & specimens of each species in abundance - My specimens of Rhaeo. plants ~~amount~~ made them both same amount at least to the number of 10,000 — an average them are 100 of each species -

Tuckerman came up from the 1st of Sept. he staid until the last of Oct.
& just as I left, & got found Rhinanthus Crista Galli in Oakes' Gulf - Subularia in Franconia pond, Aspidium aculeatum at the Notch mountain, opposite & near J. S. Crawford's, & some other interesting plants.

Tuckerman also went with Ethan A. Crawford, who attended me all summer to my localities in the alpine region, & got Festuca rivipara, Juncus arcuatus, & Saxifraga rivularis; but he did not meet with Silene acaulis, Graphalium supinum or Carex capitata or castanea -

Just keep all the above to yourself, especially Tuckerman's discoveries, as I have no authority for mentioning them -

I went up a second time the last of Sept. but the cold & bad weather came on so very early,

that I could do little - The season throughout was the worst ever known, the best weather was in Sept. when I was at home -

I wish very much you would come down & see me here. you can come & go almost as cheap here you please by the rail road -

My mosses &c. Jung. are not yet arranged - I shall take an early opp. of sending them to Sullivant, & shall write him immediately -

Please send me, unless you come, the books you have for me - I have already a Flora Ussat. from

1844.

Ipswich, Thursday, Nov. 21.
Forenoon train.

Dear Brother,

I send you a little piece of venison for steaks, a part of what I brought from the White Mts. I hope you will like it. We are all well & send our love to you & your wife, not forgetting the baby. We hope to see you all in Ipswich next week.

In great haste.

Yours truly.

Wm Oakes

To Mr. Gustavus Foster

Mr. O Williams

Enclosing one from —
about Mr Oakes's death —

Salem, Nov. 2nd. 1848.

Sir,

You will excuse the apparent neglect of the request contained in your letter of the 14th. Oct. as I did not receive it till this morning. My letters have been usually placed in a particular box at the post office, & the person who calls for them did not think to ask for any others than were deposited there, in consequence yours remained uncalled for, till I saw it advertised in this morning's paper.

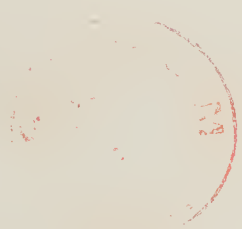
I shall write to Mrs. Oakes to-day, & request her to have one of our friends best acquainted with the circumstances, furnish you the information you desire without any unnecessary delay.

I believe I was wrong in saying that Mr. Choate was a college friend of my brother's. Mr. C. I think, was educated at

Dartmouth College. Their intimacy, however, commenced early after leaving college, & I presume, Mr. B. can give you what information you need, or at least refer you to some one who can furnish it. With respect,

Yours

M. O. Williams.



Paid.

Asa Gray.
Professor of Botany,
Cambridge College.

My dear Sir Boston Nov 4th 1848

I this day recd a letter from Mrs Williams asking me to give you such information as I could in regard to the circumstances of Mr Oakes death. In reply will remark that I have not looked over the Evidence which was before the Jury who rendered the verdict but from what I know of the facts at the time I was of the opinion that it may not such as to justify the verdict the rendered.

For some time previous to Mr O's death he had been depressed & was very anxious about his books which was to have been set about the first of Augt and he wanted some money which he found it rather difficult to obtain and this with him was an affair of great magnitude; I have no doubt he was more worried & anxious about it than almost any other man now acquainted with business matters would have been with ten times as much to raise & he knew for this matter may have affected his mind of course I cannot say.

On the morning he left home he was not well took no breakfast, but started for Boston for the purpose of paying or seeing a gentleman on some business. at the time of leaving I spoke to his wife & asked him if he should call on me she told me he should only if it looked likely to rain in which case he should return home in the 11 o'clock train. It looked likely to rain & he did not come to see me. The day was

warm and he was in Boston but 2 or 3 hours
The gentleman he came to see he did not find
until he got on board the Boat. At the head of the wharf
leading to the Rail Road Station he called as a
store inquired for some shot, the man gave him
his wholesale price (supposing he wanted a quan
tity as wholesale) asked him how much he
wanted Mr C told him only a few pounds,
the man replied that he did not think he could
accommodate him as he had but one or two
kinds open & did not make a practice of retailing
Mr C however asked him to let him see what he
had perhaps the kind he had open would suit
he took down one kind which Mr C said would
not answer as they were too large, he then took
down another kind which Mr C said would answer
they were in a shot bag he asked the man to weigh
them & see how much there was, he did so & then
he told Mr there were 6^{lbs} which Mr C. said he
would take & then asking for a smaller size
which the man found & he had 4^{lbs} of them. The
man tied a string around the middle of the bag
last he was going to turn the 4^{lbs} into the bag
but Mr C objected as he said he was afraid
they would get mixed & asked the man for another
Bag to put them in which the man could not
find and put them into a teapot. While he
was making change the Car bell rang & Mr C
said to the man he could not stop to take the
shot for if he did he should lose his passage
in the Cars the Dr[illegible] very anxious to get home
in that train. The man says he would have
gone without the shot if he had not kindly made
extra exertion to have him take it & sent his
boy down to the Ferry or Rail Road Station
with him; after he got to the Station he had
both handfuls of shot in his pocket which he stated
for the boat; just as he was going on board the
Boat he was informed of this the Gent
to Boston to see them & a conversation with him
was talking with him when the boat left & for
a few minutes afterwards when the Head left
him and walked to the forward part of the boat
leaving Mr Oakes aft. The story is that Mr Oakes
went to the stern of the boat sat down with his
feet over toward the water but this must be wholly upon
the Evidence of one person who was evidently very
much confused and whom I cannot credit
him on the subject I could not get any thing
satisfactory from him. Upon particular in
quiring you about the purchase of the shot
at [illegible] his having that ammunition
evidence that he had it for the purpose of using
Mr C then went to the White Hills without that
& his purchasing that ought not to have any
weight as all in the mind of any one in giving
to show that he fell from the boat intentionally

The Story is that the Chaos was tied around his waist. I think after he tied it up in his Life he put his arm through it in order to carry it on his arm as the easiest way to carry it.

Mr O as you Know was a very Common up & Clumsy man & quite liable to fall over from the Boats or get very much the end of it. Suddenly up he was dizzy. or had an attack of Vertigo or faintness, he would be very likely to sit down in the Waves when I would not much regard the safety of it,

Thanking you for
the loan —

Sincerely Yours
Emma W. Felton

16 Lowell St.

Dear Mr. Deane,

I am returning
my uncle Asher's
letter which my
father gave you.

I have enjoyed
seeing it and

thinking over the happy associate
times that my father used to tell
us about in his family circle
at old Ipswich – They all are
gone and I am nearing the
3 score & ten allotted to al-
human beings. – I am so glad
to think this note will be preserved
in the collection of a scientist –

Office of the Treasurer of Columbia College,

5, Church Street, New York.

18. October 1883

My dear Sir

I have the pleasure to enclose my check to your order for $24.60 to pay your bill received from Dr. Barnard —

Very truly Yours

G. M. Ogden

Jean

Dr Asa Gray

Botanic Garden

Cambridge, Mass:

Helen Brown

Columbia Coll. Paid $24.60
Brot. Bro. Art. Hist. 24.60
Amer. Reading 24.60
Amer. College 24.60

Newspaper 21
Newspaper $4
Newspaper 2 4.30

Paid. Christ. Ch
Newsstand
Brot. Bro. Art Hist

J. W. Ogle

30, Cavendish Square,
W.

18th July.

My dear Sir.

Will you give me the
pleasure of your company
at Dinner on Wednesday
the 27th at 7.15 o'clock?

Yrs Sincerely
John W. Ogle.

R. OLDENBOURG
VERLAGSBUCHHANDLUNG
MÜNCHEN
Nr. 11 Glückstrasse Nr. 11.

München, den 20th february 1888

To the library of Harvard University

Cambridge

Gentlemen:

We beg to inform you, that we have sent this day the lately published fascicel 101 of the work „Flora brasiliensis" to your adress by mediation of Mr. Otto Harrassowitz Leipzig.

You will receive 5 copies post up and adressed. The accounds for the five copies have been paid till now by the late Professor Asa Gray. Now and in future I would be glad if you would kindly allow me to send the accounds to your adress and I would be much obliged to you, if you will cash the amounts of my accounds and send to me the money by a post office order or by a check on a continental banker.

In this supposition I beg to send you herewith the account of the 5 copies of fasc. 101.

Professor Asa Gray has received till now a free copy of each fascicel of the work, which was sent with the other 5 copies to your adress.

I don't know, in whose inheritance the copy of the

Have Brasilienreisewandern whether the new processes
of the valuable work will complete his set.

I will thank you for a few informations to this copy.
Much obliged to you for your kind mediation I am Sir

Yours truly

EXPEDITION DER VON MARTIUS'SCHEN SCHRIFTEN

New Haven Aug 20th
'57

My Dear Doctor Gray

I am going to offer myself for the office of Superintendant of the Central Park. You know that I have had a good deal of eppeience in working land and in the management of NewYork Laborers, that I have planted several thousand trees (and I have been particularly successful with them), also that

favor to address a note, expressing a favorable opinion of my qualifications to the President of the Commissioners of the Central Park, and send to me as soon as you can make convenient, - 321 Broadway, NewYork -?

I hope you did not loose much by Putnam's failure, by that of Miller & Cents. I loose every thing. My best regards to Mrs Gray

Yours Respectfully
Fred Law Olmsted.

I have long had great interest in public parks and have observed them closely (not as a botanist or gardener, but as landscapes and pictures & in their proper educative character) I suppose that I am much more trustworthy for the duties, which include police regulations, but are independent of the landscape gardener, engineer etc., than any one who is likely to apply or be considered.

Could you do [illegible]

F. L. Olmsted

92 Grand St. Oct. 8th, 1857.

My Dear Doctor

I wrote you immediately on my election as Superintendent of the Central Park, to thank You as I do, warmly, for your very cordial testimonial in my favor, which I have no doubt was of much service to me as there was a warm competition for the office. I entered immediately upon my duties, being much wanted, and I have been very hard at work, trying to efficiently direct and superintend 700 laborers, without any assistance, (except in my foremen) ever since. A few days ago I found my note to you in my portfolio. I had forgotten to mail it.

There is an interruption now for a day or two, to active work, while the old force is being discharged and paid. We shall begin again with a hundred next week, but nothing more than the removal of some of the surface stone & water & the building of a temporary enclosure will be authorized for the present.

The site is rugged, in parts necessarily so, and there is scarcely an acre of level, or slope unbroken by ledges. With a handy Columbia design, tolerably executed, the park will have a picturesque character entirely its own and Anglandish in its association much more than reflective of any European park. There is no wood but saplings on the ground.

The Board consisting of eleven Hudson lawyers & merchants, is, of course, most unmanageable, unqualified & likely liable to permit any absurdity. Still I believe it will be a fine thing and I like my place in it much.

I want my much when you and Mahony come here next Sept. look over the ground with me.

My faithfully Yours

Fred. Law Olmsted.

Prof.r Asa Gray.

209 W. 46 ST.
NEW YORK.

1st March 1879.

Dear Doctor Gray.

I called on the Secy of the Interior, as you requested, last Thursday. We had come to the conclusion that it was not expedient to push land upon the President's action alone and while I thought he might have misunderstood the position, or its effects, I did not think it best to present to discuss it with him. We would like to have a suitable tract of land selected and its boundaries defined, a bill drafted and a petition prepared upon the subject for the next Congress, great care being taken to prevent knowledge from getting out which would stop speculative squatting upon the land in the meantime.

I hope that I may see you before I go to Washington again and should it come in of any service in the matter.

Yours very truly

Frederick Law Olmsted.

My Dear Sir

It was not until Saturday evening at 7 o'clock that your valued favour of Friday noon reached me.

I have filled up a box with the following (it must be presumed to have been done on Saturday evening)

— Sarracenia purpurea 4
— pavonina Carolineana 4
— Tephrosia Virginiana
— Sesbania — one species
— Baptisia tinctoria
— Aster laevis — good quantity
— Chrysopsis falcata — " — 4 60
— Coreopsis tenuifolia — " —
— Pycnanthemum rotundifolium — " — 30 & 40
— Asclepias — "
— Chlorantha — " — 40 —
— Decumbens — " — 40 —
— umbellata — " — 40 —
— maculata — " — 11
— Gentiana crinita
— Apocynum Cannabinum β pubescens
— Andropogon obtusifolia? a few this grows so scatteringly that I can get but one or two at a time
— Asplenium acrostichoides
— Eleocharis palustris? roots; found touching with boat
— One other Grass. a few.

and shall endeavour to get Earl our Superintendent to put it on a way to reach you at Cambridge as soon after his arrival in Boston (10 o'clock Monday a m) as possible and sincerely hope it will reach you in time for your package for Loddiges –

I have not gathered the Rhexia yet, nor one or two sea side plants of your list nor could I find a trace of the Prenanthes Nimbellatum – As regards Orchideae I have found Spring to be the best time to find them and they do well taken up even when in flower — I may meet with some –

With my best regards,

Your friend

S. A. Olney

Monday Morning Nov. 3. 1845

Irvington November 21. 1878

My Dear Gray.

Your note of yesterday found me this morning until then morning I found the dimensions of this three sheets sized as follows

16
16¼ } by 11½.
16⅜

Gems Cover. 16⅜ — by 11⅞

If Mr Carey will join me Sir take ½ of the 88 Reams. in this case I want 11 Reams of gems covers If I remember rightly these last were to be 10 c per th but you will know about this.

If you have not decided differently & Mr Carey concludes to take some of it but rely on a new trial do by me as you do by him giving me an average as to quality, thickness. size &c.

If he takes but 24 & 6 let me have the same (my order was for less) that is Sir for just as he does.

24

Let it be sent when he decides by Earle Express directed to me & Messrs Williams Castles & Co. will then please forward a bill & I send the Cash. —

I have a polygonum which I sent to Carey as specimen from Platt Marsh R.I. He thinks it P. amosissimum. Will send you specimens when — if you want any thing sent so as to make a bundle.

Your Ob't Sv't

A. T. Olney

5

Prof Asa Gray

Care of Messrs Wilkins Carter & Co

Water St. Boston

Mass.

Pondamora July 19. 1849

My Dear Gray

I was sat of town when your letter of the 15th reached here

Sorry am I, that I neglected to obtain specimen of the Maples for you, but if you knew how many burthens I have had to bear this year, you would readily harden this heart.

I have looked over all the cases, but in the place that I am not found what you want. My own specimen has only the leaves without fr or fl.

It would give me pleasure to see Sullivant, & hope to have the pleasure of calling on you in a week or two.

I have got a few Carices (am) that you have not sent to me which I'd try to find time, and bring with me. Is there any thing now coming along the way that you want?

If this is, I shall now have leisure to get it for you at the pleasure

Ever and truly Your friend

S. J. May

Prof. Asa Gray

Cambridge

Mass.

Augusta. April 14. 1854.

My Dear Gray

You know not how sorry I was in not finding you at home when I called there in October last. I took a stroll around the garden, but it made me quite melancholy, and there was little satisfaction in it.

Thank you for your paper from Silliman's journal on Dr Hooker's introductory essay to the Flora of New Zealand. I have often thought that you were admitting hosts of new species among the New Mexican and Californian plants on such characters as would hardly stand of they were New England plants, and I have come to a very sage conclusion that there are no rules by which we can be governed in these characters, it is to be done by intuition. There are two or three plants in Rhode Island that Dr Torrey and I esteem you generic cannons that I almost know to be species and when I get back there permanently I hope to prove them by good characters

It seems as if I am out of the botanical world while I am here in Augusta. Do write and tell me what you are doing. I see the last sale of the Genera Illustrata at Putnams "sell out" so I suppose you will never continue that. I think I see in one of Putnams advertisements that the Flora of N America was soon to be continued. It was inconsiderate.

I called on Sullivant in Columbus last June and spent an hour or so with him. He never gave me a root or the bundle of mosses that I sent him through your hands. I shall send him one now not only on the credit of some European botanist for names for doubtful plants in that order.

Henry is off to Australia I understood Dr Torrey. I intended to have given him a bundle this summer, and included in it

all the new words that I have picked up since I last sent him.

Do you ever hear from Dr Chapman, he is at work on a book something like your Manual. Its limits are from your Southern point down the Atlantic coast that is the eastern slope of the Alleghany Mts. including Florida. We doubt he will pay his respects to your husbands when he gets his memoirs disposed of together. I met him in Pensacola last September and found him a very pleasant gentleman.

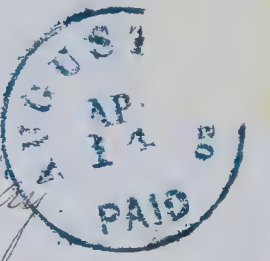
Dr Torrey told me that Carey knew that he had got Asa and had cute you all. He gave me a very kind parting letter, that almost drew tears from my eyes, but never mentioned his address in England. So I concluded he never wanted to hear from me.

The Ellyottia grows here a pound and one a Specimen. It does not bloom before I go away from here and fruits before I get back.

I hope to be among some this summer and to meet you. I shall remain here certainly until the 1st of May and perhaps later.

Yours sincerely

S. B. Elliott



Prof. Asa Gray
Cambridge
Mass.

Pendleton August 12 1857

My dear Gray

Thank you kindly for the Plantae Wrightianae which you sent by Thurber and which I studied

I want very much to meet you here to pass one more - Shall you be at home next week or week after? If so, some pleasant morning I will run down to Edinburgh and make a call on you

I learn that you were at work on Encelia and had hoped to have sent you good fruit of Elliottii so as to have enabled you the clear up its affinities My partner who remains in Augusta this year writes me that he finds it nearly, where the plant grows abundantly has not been enabled to find either fruit or seed I send from Nuttall's the nearest approach to it that he has

Very pressed to glue down the "huckleberries" that I sent for your Herbarium from R. D. Pidgeon I got the true V. Vacillans, with Gr. N. Botany in Rhode Island I am not sure that a plant sent to him under that name is any thing more than a dwarf form of V. corymbosum.

I wonder what Chapman meant in a letter to me last May in placing Elliottia with Halesia Styrax &c.

I am still pursuing what [illegible] an Endless task chasing down plants I have got laid out Enkianthus to Convolvulaceae Need not to glue them I shall have Solanaceae to Orchidaceae My germination plants were glued down long ago.

Thunder has given me a nice bundle of his Texan New Mexican & Californian plants.

I could make up quite a little bundle of duplicates if they would be of any use to you in your exchanges and which I should feel obliged in being related

Assuring you that Time has been nothing to diminish the warmth of my esteem for you

I am in haste

Your friend

C. C. Curtis

Prof. Asa Gray

Cambridge

Mass.

Algae from Prof. Asa Gray

No number & habitat

given Boston Bay ??

Ul. sinuosa

— alata

Phyllophora Brodiæi

Chondrus crispus

Rhodymenia cristata (very fine!)

— palmata.

Gymnogongrus plicatus

Hypnea purpurascens

Pol. fastigiata.

Cal. ordinatum

Cer. rubrum.

Stilota filamentosa

Agarum Turneri Post. & Rupr.!

Laminaria saccharina

Chorda lomentaria

Punctaria tenuissima

Desmarestia aculeata

Chordaria flagelliformis

Dictyosiphon foeniculaceus

Ectocarpus tomentosus

Conf. melagonium

Conferva ——— ?

Cinfera ——— ?

Cladophora refracta

——— glaucescens

——— Rudolphiana

Ulva latissima

Porphyra laciniata

Enteromorpha compressa

——— intestinalis.

Enteromorpha clathrata

(Sends a boy off rough dried

Sea weed - not yet examined)

Prudence Monday Evening
Sept 18. 1854

My Dear Gray

Your decision as to the Barrington Polygonum will mean much to me. Sent you at the print, full as large as P. maculosum (Block Island & Nantucket specimens also sent from New Jersey & Gray!) consequently much larger than P. arifolium, sides more depressed & smoother decidedly heavier 2/10 . 3/10 of an inch long! Sheaths different Leaves tapering into a decided petiole. Shall try to visit the locality within a week and get Specimens. will convince you that you are wrong!

Dont Robbins brought me a specimen from Apponaug R. I. this week (single specimen) of what seems to me clearly P. lapathifolium Stigma very different from P. Persicaria

Dont want to begin to think of going south yet Shant go until the middle of october surely, perhaps even a month later.

Now got glued down on for the Podostomaceæ. Now I am to make my Oaks lie smooth presses my comprehension. I have a great notion of making a boy with commandments for the leaves & clip them off. a boy of the size of your father so as to stick it in with the plants. (am sho)

I am very poor in Rumex & have no specimen of Darlington Euphorbia

Ever yours
S. T. Olney

P.S. A letter from you in Providence Mercury 2 weeks ago to be D. Eat Dalton. It is seems to me as if I had to know as much about it as the writer. Dont remember any Potter. Remarks appearing with it

3/7
237
80

Prof. Asa Gray

Cambridge

Mass.

Flushing November 28 1857

My Dear Gray

Many thanks for your kind letter and for the honor done me in the New genus "Chiyia" — I could have waited until I letter reached it Surely you never found me in the mood to take any thing from you or mean Tom Keightley — I dont know however, what I should have said if my name had been given to that ugly scraggy thorny bush of Thurber's finding I will thank Thurber for his agency in the matter of the New genus and beg a specimen from him or somebody else.

You spoke to me relative to a gardener and one who has acted as gardener for Geo W Chapin of this city is I think the most enthusiastic florist and successful cultivator of green house plants of any of the Gardeners of this vicinity I should hate to lose him from this place I know not what you can afford to allow him but if you can make terms with him I shall have no hesitation in recommending him to you. He was appointed to the superintendency of the President and public grounds at Washington through Senator James' influence, and which place he threw up, finding he could

not get along with some inefficient under workmen. Write to me on this subject as I may not stay here but a few days longer.

Ever & Cordially Yours
S. F. Shuey

Dott Asa Gray

Cambridge

Mass.

My Dear Gray

Pittsburgh March 2nd 1857

I wrote Saturday inclosing check for L L &
Law may send Mr Geo Hunt a copy who will permit as
you desire

Hughs don't I get it this winter, another snow storm.

Ever yrs

S. S. Gray

I shall write by the cars with you the small sheet, 3 to 5 or 6 specimens
on a sheet of white Bristol paper, and put them into our yellow glazed
Covers. I think I also shall transfer from the yellow white paper
the loose specimens to white letter paper and attach them also. Have you any better
plan to suggest.

Prof Asa Gray
Cambridge
Mass.

Read

Providence Septbr 6. 1858

My Dear Gray

Pardon me for not answering your note of July 22 before I have been busy trying to get back some of the lost money of last years crash.

The Illustrations of Carex are beautiful every way text drawings and all. It came to me in good time as I employed last winter evenings in giving ow such work as I had and arranging the synonyms of Carex. (Am 5 pts).

He has done W. C. Carpenter Lemark capitally. I am sorry that he has admitted C vesicaria Darby. It is nothing but C. digitalis in my view. I think if I could get myself to collecting that I could prove it by a very good set of believers to any such acute observer as Dr Boott.

Does not he pay a little too much regard to the occasional presence of male flowers in perhaps spikes when he ought to. -

I like what he has done with C. pubescens C muricata & C gynandra How I wish I had an authentic specimen of C Martindi

Do you want Carex Oregon. Eight years ago or more I differed point blank with our friend Carey when he called this C. Mertensii and questioned Dr Boott's opinion referring it to C. bullata, which it resembles. The dissection will show you that its nearest affinity is to C. circinnata Boott. This group is now well cleared up what there belong to.

I am sorry that he did not touch several other species among the Cuneatae & Ovales.

I am writing at the Committee room and have no book to refer to. I differ from Carey in several things in these groups.

Among the Ovales I should admit

C. syphonocephala Carey
C. adusta Booth.
C. fertilicula - - - & congrs to Mex C. lenticula Lemm
C. foetens Mühl
C. - hygrophoroides
C. sphagnia
C. shawniana
C. cuneata.
C. ambra.
C. mirabilis

The Rhode Island plant that Carey refers to C aperta Booth I don't know that it belongs there and he could hardly ever get Dr. Booth to assent that it did. Why should not Dr. Booth name of C angustata give way to the prior one of C virginiana Schultz provided it is Schultz plant.

If Dr. Booth address the same it was some eight years ago I shall write him thanking him for his remembrance of me & for his beautiful present

I have not forgotten that I owe you for exposition of Geneva Catalogue. I enclose perhaps stamps for the amo. 41

Ever truly yours S. Thay

Prof. Asa Gray

Cambridge

Mass.

I am going to drop in upon you some afternoon and if I find you at home shall perhaps spend the night with you

Yours truly

Stephen F. Darby

Brunswick March 28 1866

My Dear Gorey

I have your note of the 24th. Many thanks for your Photograph. It is not the Doctor Gorey that I have in my mind. He is a genial sunny faced with a pleasant smile. His book up if he was preaching over the American academy

Shall send Doctor Torrey mine in a letter and beg him to show the list of his contributors in Brunswick. Now that I am so that I can see botanical friends, mine will come

Just inform me how late it will do to have a list of my duplicates from Cuba and I'll forward it. I want the combination and hope to have money enough left to pay for them when they come

The Woolen goods business has turned a complete somersault. It is

new a boring business and I almost begin to feel as if I ought that I should invested in government stock instead of bricks mortar & woolen machinery

God took our friend Doctor Hall just as he had filled the full measure of his usefulness There seems to be no other man to fill his place in this community — There is no point now that I can confer to. When a set copy comes out I shall send him 5 copy of Doct Gannett's elegant address made at the Doctor Funeral

My kindest regards to your good wife

My duty lies towards Brown not Harvard I think you would like me and if the fluctuations of business leave me any thing Brown university will share some of it.

I have some thoughts of turning over my Herbarium & Botanical Library soon

Dear Sean has induced five of our wealthy citizens to subscribe $20.000 each recently to the University and smaller amounts are now coming in.

I believe you sent me Two Numbers of Silliman and told me to wait before sending them as there were to be others.

I have the first Centuries (in 4 to) of Sullivant published in memoirs of your academy If there any more for me to procure the second published somewhere after.

Did I tell you somewhere that Sullivant & Lesquereux were to send forth new dried Mosses It is this to be a continuation or independent of this large issue made

Pendleton March 13. 1867

My Dear Gray

I received yours of yesterday.

I got no reply to my question in my little letter asking you for a simple yes or no.

With a few sheets from your herbarium lent me for a season, I think I could agree to name any collection of Carices

If names are not wanted too quickly send along the Calyptrum, Ecklonii Savanna set of Carices &c mail, &c I cannot do any thing satisfactory with them & cannot return them.

I am more and more convinced that C. Ch. Smithii Carex is not

C. Volumbiana Mack
& C. Sayanlitis Lind.

I shall send you for your Herb specimens illustrating a specimen with leptalea & ut vars. Careya
pestilocalis
& aperta.

soon

Illustrations of Common Mex. New Year
Comm...

I inclose $5.25 for the 3rd part
of Bentham & Hooker Genera Plantarum -
which please send with the Cal. pt Carices

Truly yours
Alphonse DeCandolle

The following are also found on the Red River below Greenwich N. D. No doubt also brought with Merchandise

136. Dasynotus sericophorus Say Greenwich N. D. S. W. Congdon Have not seen his plant but he knows

270 Cacalia suaveolens L. Red River near Greenwich N. D. S. W. Congdon single plant growing Have not seen his plant.

Pembina Nov. 18. 1867

My Dear Gray

Never got the answers attended to. There are plenty of Stephen Ohios about here. Stephen D. Stephen B. Stephen S. &c &c. The Col. generally begin a letter otherwise I would not name it used.

Yours answers of 14th all satisfactory.

C E Smith sent me C. glabra has only a single spec but knows where to get it next year

Tuckerman sent me his new Carex from Mt Washington without a name. It looks somewhat like C grisea with denser spikes, & some resembles C conjuncta over blended with larger perigynia

A. also sent me also his Carices under his labels I think the ones he named also some European all of which I have from C. Mackenzie & what I had from Boott.

I inclose copy of my notes on C E Smith's two Carices, which he sent back saying "Surely I have left one when you picked it with a doubt? Surely neither are they C. Muhlenbergii

I also send a list of some extensions of habits of species of Man.

Why dont you get an assistant Prof of Nat. History appointed and resign the place

L. W Congdon a graduate of Brown University when he took all the prizes, hence the students called him Professor. is short and dark eyed in blanks. If he would learn his profession Law he which I dont believe he will succeed largely for which he would be just the man I dont like him "the reason why I cannot tell, but this I know full well, I do not like you Dr Doll" Perhaps it is because he is so fat and dumpy. I got to thinking of him because he called to borrow 2nd. Vol. of Sem. & Co. to get out some California Coleopterae which in my heart I hoped he would succeed in doing, as I did not want Mex for

But stop here I am writing what you have no time to read, but it needs no answer this letter

Sent off my notes to C E Smith. yesterday Sunday and yesterday Mon to it

Yours truly
Stephen F Clay

p. 35. Climacia vertebrana loc Rocky Banks Johnson R.I. . L W Congdon!

p. 53. Cambophyllum thalictrinides . Cumberland R I!

p. 57 Smith says Mannyunk should be "Manayunk"

p. 60 Glaucum luteum stop abundant on shore Islands Narragansett Bay also last few years from South.

p. 91. Arenaria Greenlandica Spring. on Rocky shores of Islands Westerly R.I. Geo Hunt! If you doubt it come next June & see it growing.

p. 204. Lonicera coerulea L. Smithfield and Cumberland R.I. Southern limits both places found by me. SFC!

p. 318. Utricularia minor L. borders of pond Smithfield R.I. L W Congdon!

p. 344. Trichostomum lineare Nutt. North Providence R.I!.

over

Pondicherry [illegible]

My Dear Grey

I sent yesterday the details of my examination of C. E. Smith's Macrocarina. To day I got some moths from him which go to confirm my view.

Throwing out the 8 species he has with wholly sterile spikes as abnormal sterile — the records stand thus

C. volsendula Mus

15	5 spikes	2	3 males	23 2 females
24	" 3 "	27	2 "	17 1 "
1	" 2 "	11	1 "	
40		40		40.

Description spikes 3.—4 male 1—2 female 1—2

C. amphalaca from Ins.

23.	5 spikes	58	3. males	2. 3 females
81	4 "	59	2 "	76 2 "
24	3 "	11	1 "	50 1 "
128		128		128

Col Bott gives the following of European amphalaca

1.	15 spikes	1.	11 males	1. 5 females
1	11 "	1	7 "	5 4 "
2	9 "	2	5 "	32 3 "
5	7 "	9	4 "	62 2 "
15	6 "	35	3 "	10 1 "
38.	5 "	60	2 "	
44.	4 "	2	1 "	
3.	3 "	110		110
1.	2 "			
110.				

Over

With these data the description would stand

Exs. 4–6 spines · male 2–3 female 2–3
Arm 3–5 " " 2–5 " 2 3

The slender spines in C. v. mundata show the scarcity of the locality.

Yours
Sept 1st. T. Gray

" Carex paulla Good
var milaris
Aug. 24. 1867
In Kember Rein, outlet of Moosehead Lake
C E Smith

I take the specimen with 6 spikes & stam above 2. pist. below as illustrative, the other two with smaller pistillate spikes I count as abortive.

Length of lower pistillate spike 15/8 in with many inch peduncle
upper " " " 1/2 in. sessile
stigmas 3.
perigynia faintly veined.

This cannot be C. saxatilis L. Fl Lap 259. (1737)
paulla Good Linn. Tr. 3 t 14 (1795)

The spikes are not bladdery turgid
The male spikes vary (1 to 2) are 4
The female spikes 1-2 are cylindrical not round
The perigynia is not worth a description
and it agrees neither with my Scottish specimens from Mrs Gardiner Dr. Dundee Scot & Swedish from Wahlenberg I consider your plants as abortive specimens of

C. aquatilis Good in Linn Tr. 2. 207

I have not seen it before within the limits of the U.S. proper, the plants so called by our authors being C. utriculata Boott and generally like Mex. 2.

I have C. aquatilis from the Rocky Mts Hooker & Wesbrook plant No 815 much more perfect than yours

Not C. rostrata Stv. which has a leafy culm.

"Carry Voltz. data Wabl?

Aug 24. 1867

In Reambur Nitr. outlet of Moorehead Lake

C C Smith"

2. spec 2. female at base (in one duodenum tang) 2 stam. 4

1 " " " " 1 male 2

1 " with male spike, brown, with abortive female flowers. 3

I take Dr Lewis first specimens as illustrative

Bisulcate spikes 3/8 in in length

Stam. upper " 3/4 " " "

Stam. lower " 1/4 @ 3/8 " "

Fungoseia crate without nerves, corrugated at maturity.

Stale crate, brownish, with straw colored margin. Within

Stigmas 2.?

Crate to lower bisulcate spikes spreading nearly at right angles with culm and reaching nearly or quite to top of culm,

I have 3 Starkish specimens from Nitr Lewis

1 with 2 male & 2 female spikes last with crate

2 " 2 " 1 " " last with crate

with larger 3/4 in. fertile spikes, but for the present I shall learn your friend when you placed it with reluctance?

Neither of your friends do I consider C. bullata Muhl. My thought in Boott suggests very probably that plant may be C. Sayanthi Dewey of which I have no Am. Spec.

Portsmouth Dec 23. 1864

My Dear Mumler

I had a very pleasant time at the gathering of Betweens this afternoon and am indebted to your Self for the pleasure

I shall by mail to day the four Cards I promised you

I hope you will when at leisure look up my dag. Carte of your Barnacles self, particularly those that Booth determined, and that he

Had I been at your side I should have reminded you, Never Send Away a doubtful Card I will remember Forrest's advice "Keep your doubtful plants away from him until all doubts are settled" Yet Mary was hard headed, he would write page upon page for your instruction as he thought

I offered to do much work for him, & he would but make "Carte Visite" Photographs for Preference. but as, that I saw he thought would be elevating your Booth to an height that he ~~had~~ thought he had reached himself

Some little time after Booth left

Mr. Mumler
No. 5 Clark Street
Boston

Yes, get to this country I shall probably,
receive "Daguerreotypes by E. Anthony" and
other Journals as I have almost
full sets to the Close.

I have some letters purporting
to express Mrs. Mother Husbands —
If I could hear I would go
first to the Merchants Exchange
& to Banks & Exchanges in two
or 3 Book stores at the Hour
at Noon.

Wishing you

Stephen Ellis

To Prof. Gen. Taylor M.D. Amesbury

Meridian, 29 January 1868

My Dear Green

I found heartily to urge you to draw out C. ampullacea; if you give me control of Carex, he must get on without good grounds to shew his character for such good company.

I see no reason why the characters of the achenium are not to be as fully relied upon in C. Carex, as in Rhynchospora,

I believe the two plants C. C. utriculata & ampullacea can be as readily told by the difference in their achenia as can the different species of Betula by their scales; that of C. utriculata is triquetro obovalium of C. ampullacea triquetro ellipticus oblongum

If Leffenbaugh had had this hint, there would have been no need of subtelegyne it with a long cuttle, it did not belong to it — and it is just as God created all things perfect and unchangeable

Linn Trans. Dec 13 1803

When one reads Booth's description of Carex Sarsatilis Linn Fl Lap 254. 1737
Willd Good Linn trans 3 Ed 1795
I hesitate to believe it can but be admitted that either of the above named plants could be taken for it's more particularly - No 150 Gray's Manual I do not mean to predicate anything to the contrary, notwithstanding that the specimen you have in your book from Mr Oliver for you ought to know) will never be named to me

My idea of Carex flaccosperma is derived from Hale and other southern specimens of it The figure of Booth cited - No 88 (I call it not in Sath Brattleb. Not in the State of Arkansas) hardly comes up to the idea Enclosed is a sketch I think I wrote you, evidently I did from recollection comparing with what you call in Mem. dubious forms of C flaccosperma

When I get well under way you must see Uncle Sime at my digs I reserve the pond for my own amusement

Ever yours
Stephen F Olney.

So soon as I get Wright Cuban plants mailed I shall have him for Carex Feli Wright I shall soon send him by Merchants Col marked and hand that he does not send off specimens before completing mine; It seems to me there are more species in this order than in any other

Amherst
29 Jan. 1868

Dear Doctor

Mr. Olney writes me to desire that I should read a chapter of the Mt. Holyoke Caucasus, the present week, for some Addenda to the new edition of the Manual.

I have accordingly, under some disadvantages, put together the notes in my possession — & beg you will alter them to suit you — without taking the trouble to refer back to me. I succeeded this year in finding the original habitat of the plant (originally plucked in a hurried run down the mountain) & collected some twenty five specimens — having, a fortnight before got it also on the summit of Mt. Tom. It seems confined to the Trap rocks which make the upper portion of these sandstone ridges. I think it nearest to C. grisea; & the Pennsylvanica Carex of Prof. Porter (sent by Mr. Olney) seems to be the same.

Which you contemplate publishing. But I really felt that I had said all I had to say before. It appears to me that the time & manner of publishing should be left to those who have made a specialty of the plants, especially if they are industrious & anxious to do what is wanted as I am. As soon as I get rid of my work on the Genera — I will try and lay out some plan by which the need of a hand book of Lichens may be met. Indeed I have already thought much upon it, & if my eyes get no better, may still be able to make use of others, & bring something to pass. I asked Mr. Olney to give me an opinion on a point of structure some weeks since, enclosing several specimens, but fear the letter failed to reach him. So I am hors de combat just now, the point being one upon which I am unwilling to trust to my own observation alone.

Thank you for Australian Lichens, including some things of great interest, though the mass of specimens were common things.

Sincerely yours
E. Tuckerman

M. C writes the name proposed glaucoidea but I prefer the more usual form, originally applied by me, i.e. glaucodea.

I received, in response to an application, a copy of the Manual, & admired it no little: & on the copy was presented, I could not but return an expression of my admiration to the publishers.

I have noted the following Errᵃ.
P. 91, 7 from bottom. P. 575, 577, did the comma be ins. after Torr. in "Tors, Cypr"?
577, last line, ins. with? 591, for Cew r. Dew.
599, C. squarrosa — is it found in E New Engd?
I have it in Hadley meadows.
462, Salix tristis — in "bogs"? I never saw it but in the driest soil.
452, three from top.
451, 6 from bottom Sm. castanea of authors, is chan. in having leaves "mostly obtuse or roundish at the base" — in my specimen the base is always acute — & yet they are finely marked Chestnut-like leaves.
It occurred to me that I had better refer this to you — though my knowledge of the tree is very imperfect, & does not at all embrace the fruit. My specimens are from Mt. Tom.

Parongchia argyrocoma, "base pruinose above". As I found this habitat, I wish to say that I do not suppose that it differs at all from the hab — "Slides in the Notch" The addl elevation being of no account. The plant occurred to me only in those parts of the upper region of Mt Crawford — which the fires have devastated — & is a debris or coarse gravel resulting from disintegration of the coarse granite — therefore in much the same circumstances as below — nor do I believe that the higher locality add anything to the history of the plant — which is unknown as yet anywhere in the mountains except the places above-named — both conditioned in the most important way by recent changes — & offering no normal condition of any sort.

May I ask you to enable me to procure a copy of the additions to the Manual?

My eyes gave out last spring, & I have done no work since, till quite lately. They are still so weak that I can do but little. This is one reason why I have not attempted to reply to your last, renewing your proposition that I shd prepare a sketch of our Lichens, for a volume of Cryptog. Botany

Providence Jany 28. 1870

Dear Thurber

Yours of 24th & package of Conns came yesterday.

The plant apparently not a Carex is a Cyperus
If the plant they Boundary from Sonora "C flavescens
Mex, it is a small specimen of that sp. Parish. it is
Torr C. brachyanthis Frey Bound. Pl.

151. named by Dewey C. Liddoni and assented to, good naturedly by Boott, fide Torr. Herb. it rather yaws for determination. I have seen much more of this sp. than its learned author had when he examined your plants.

140. C. recta Boott } Dewey
247 C stricta Dewey } fide Frey. B. S.

are neither of those species. nor are those names valid to day. C recta Boott refers to C. scabrida & C. stricta never had any characters distinct from C. angulata Boott or C. stricta Lam.

In Torr. Herb. Boott refers both of these numbers to C. stricta Good, a species he did not admit in Carex Fasc IV.; though he throws doubts on the sp. difference between that & C angulata. 247 is very like a swedish specimen of C. acuta L recently received from Andersson, and I should refer both to that species to day rather than to any others. I left them two plants and five

near relatives to them for future examination while Torr. Coll was in my hands.

261. C. laeviginosa My finds Olney in Mex Bland and finds Booth in Hot Springs, has the male scale obtuse and ciliated and is like a Mariposa specimen named by Booth C. aemula Horn in proclivis Dietz. The character I have given above is about the only distinction that seems and Mr Henry C. laeviginosa

436. I am sorry that this number is not to immortalize you. Olney sticks to it with great pluck even so late as his Index of Spr. in Still Journal ... It is what Booth called it. C. hystricina ... and as are two others of Olneys species.

577. C marcida Booth not sent me by you I have a cotype & so have a set of your Carey findings in Mex Bound. Surrey.

There is a reference to you in Whipples Boundary Rep. under C. Chrysolepsis it is a slip of the pen ... it ought to be Dr. Bigelow. 20. instead of Thurber 20. ... It is a strange blunder to refer to that species

Thank you for allowing me to obtain these specimens. I have now almost complete materials to track almost every thing that Dr. Olney did in Carey. Whether the game is worth the candle remains to be seen.; but it is a matter of interesting. When I am dead and gone I hope no one will follow me up with so keen a zest.

Why did not you do, as I did, when I was a good looking, have a negative taken to last all time

Better send me a list of your wants in Carey from Mrs Hit-, and as I get them I'll send you. You once wanted Oxy. from Canadensis I can send you granules of it

Truly yours
Stephen S. Olney.

To Dr. Geo. Thurber.

Biltmore February 11. 1870

Dear Gray

Being laid up from headache today I have run over or rather looked over the last book of the California Cancer remaining with me, selected the latest names to specs of Carex named them up and return to you per Express prepaid.

The lower number belongs to the Californian sheet, the very highest I suppose to Rolander.

Some few need to be authenticated by comparison either with plants in your Herb. or better, with them in Herb. of them.

5018 D. C. retrorsa var if so a elongated form.

4534. C. stricta Good? - not true C angustata

1648. C rigida Good very doubtful

2076 - 2136. C Rodocarpa? B. Bough agrees with specimen in Herb Torr. It may be that dumping of C Rodocarpa, C Vernacrochaeta & C spectabilis Dewey is wrong. I would have sent specimens abroad for comparison, but I do not seem to be successful in my overtures, as I have not had any of my parcels sent more than three months ago nor any reply to my letters enclosing them. I am

to Gindmen & Rockenbach.

Shall address Brewer that I have sent the bundle to you, and also give Bolander a list of the numbers. Perhaps you and better deliver the bundle I sent to Cambridge that Brewer wrote me how then unopened and let me get through with this too long delayed work.

There are a few forms in that bundle that need authenticating.

Yours truly
Stephen F. Olney

17 Bedford St.

Penrhyn March 3. 1870

My Dear Gray

Your bundle of plants came late Monday a.m. (28th. ultimo.)

Strange that C. appressa R.Br. Virginia 3. Multiflorae
C. chlorolepica Dc. non. Carey 14 Digitatae

are not in your collection as John Carey's Catalogue of your Carices gives them, as there.

I do not care about seeing C. appressa, but C chlorolepica of John Carey I should like to see by, and by.

C. Hookeriana. Bolander & Olney is not of Booth in your set me this time present 452 779 from Orizaba Mexico coll. Bolleri of which 2 were two sheets of which I have retained one (the former) and shall say thank you, if you allow me to retain it

See what I say as to C. Lyonii.

Strange that C. Franklinii was not also found again.

Hoped to find an authentic specimen of Boott C. Meadii in a coll. of his examining in your herbarium but did not.

Asa Gray

Over.

Bolander Calabalan, sec Brandt 52 must have had two specm distributed under it

Bolander # 27. C stolonifera = C. lucimata Boott

Boott p. 197. & 198 under

C. podocarpa R Br.
Macrochaeta Meyer
Spectabilis Olney

I am satisfied that my Californian form called C podocarpum Brown belongs to one of these, but am not yet satisfied that the above three forms are one species - I had hoped to find authentic specimens in your Herb of Brown & Olneys plants, that I do not.

Bolander 6219
6210
Brown 1701
2014
2131
} are C. frigida Allan

or very near it, and strongly still, so is C Macrolepensis Boott, & Whipple R & Sanny.

Sorry you sent me C. flavus and the others quite too soon, for I am not ready yet, I thought all things they could all be placed with C. flavus My impression to day is that these are

Calamagrostis good enough for the following

C. flavus Linn

Var lepidocarpa stem. spike pedunculate

C. Oederi Ehrh. about the only difficulty

C. viridula Mey -

I have arranged your by two eye (not examined with a glass) & something that there are about dozen localities of C. Oederi that need a patient examination, which I will give them before I get through. -

When the right time came, I reserved to myself to ask you to send me, about a third of your collection at a time for examination and at the same time I could send in such specs as you lack from me, duplicates for which purpose I am preserving them accord from Wet stations.

Enclosure -

I have passed over those of your bundle as to "what I have to say as to their names" giving notes when I have differences remarking that my opinion is worth very little others than an American spec. and I dont value it very highly on those.

I left other two Scandinavian species in my last with you

Sell me a ream of white Letterhead paper for I am in previous want I gave an order a long time ago to an Italian Merchant here. but I dont like that it is coming Give me the address of the house you ordered from to see you the benefit of ordering it for me I want Do Ream slightly heavier in weight and more like that but, that you, Carey, and I had..

I am ready to canvass your Gray Grammar & Cyphering & the Cyphering portion, will you send it by Express as well as the Ream of paper solicited to me No 17 Bowne St as will usually Should be and so as left at house when I want them

Truly yours
Stephen A Olney

Shant write often when I come a Shant.

If Walsh is still with you ask him to study the genus of his Island grasses.

17 Brown St.

Providence 15 March 1870

Dear Gray.

Thank you for the privilege of examining carefully the Carices of Gray Gram & Cyp. which I have done and return today by Express. I have marked under each Sp. reference to Tab. in Bost. Jour. and have substituted 3 specimens from C Oederi from Lake Ontario for comparison

So my Cumberland plant named by you early in 1846 C. deflexa Carex vaginata Tausch folifolia and that Carey admitted in my recommendation as a new Sp C platyphylla is not #178

The synonymes of the 6 Sp were interesting to me giving them as understood in 1835. There have not changed mine (see notes) in a single instance It brought us here Carey's reference under C. stenolepis of No 180 which it appears was incorrect.

There is a very interesting chapter on the synonymy of C. conjuncta & Boreas in manuscript but not described by that eminent Botanist. The specimens of C. Sartwelli

N. Pac. Ex. Ex. have C. conjuncta under which Olney sent Sartwelli.

Aberdeen March 2nd. 1870

Dear Gray.

There is no need for a name for Watsons Carex. It is the young state of

C. Raynoldsii Dewey
Lyallii Booth.

C. Wimmeri This varies very beautifully in both Darby & Watsons collection. I am inclined to refer Mr Booth's plant to some one of the forms of C. agnatilis evolved by Anderson; it is very like plants from the latter.

I fear I did not examine carefully your C dispersa of Great Egypt. I meant to beg you when I returned that work, to put in a place where two men could not get to it. They have commenced upon it and seem to have been at it for some time.

C. Barbarae Dewey (not yours F. Booth) is C. Porcottiana.

I have sent my Book Ll to Phil to be unbound. I feel like a very poor man would without a robe. Truly yours Sheldon Cheney

17 Brown St. 1870

Dear Gray

Providence September 14 1870

Yours of 13th and bundle of Boott's Carices came duly; the last I returned and exhorted to him and have had a second lot, and named C. vestrata, Mx. was, among the Lake Superior plants from him.

I take different views of C. tentaculata than those I entertained when I sent you the paper for Silliman, that was not published. Please return the mss. for revision. all of it.

C. tentaculata Muhl in litt. Willd Sp. pl. 4. 266. 1805 - Schk. f. 130. 1806. is a plant growing in a more limited range, than that which has so generally superseded it in the descriptions of american botanists as

C. vestrata Muhl (non Hoppe 1803) in litt. in Willd Sp. pl. 4. 282. 1805 Schk. f. 134. 1806.

Pursh. in 1814. in correspondence with Muhl made this last a var of the first Muhl in 1817 joined them. and generally american botanists since have got to looking upon the last with its few nerved hengyna as the typical plant. See Torr. Illus in New York State pl 2. Boott Illus 1858.

as Pursh had the merit of keeping the last distinct as a var and as Muhlenberg

Was any thing been done for the publication of the plants of Mr Dillen by Boott in Royal Herb of Kew?

I feel very confident that the plant illustrated by Boott t. 41. is not C. bullata" Schk. as Willd 1805 166, but will have to take the name of C. cylindrica Schw. 1824/3. spec. ... fide Boott 1 in Herb Nuttall
1 " " Hooker
1 " " Tuckerman
1 " " Elliott!
1 I believe in Herb Torr but my note on this last is not clear. It seems strange that Dear Torrey suppressed C. cylindrica in Schw & Torr. 1826 and reduced it as a synonym of C. bullata in Torr Cyp in 1836, and stranger still to see the plant now known as C. Tuckermanii given by Gray in Gray & Cyp. No. 197 as C. bullata. C. Tuckermanii has a somewhat pear-form and beak.

Most if not all of these authors meant by C. bullata C. cylindrica Schw

Ell. ~~1836~~	556.	1824
Torr. cyp.	421	1836
Dewey.	294	1841
Carey.	556.	1849
Sartwell ex. herb.		1850
Boott do.	—	1851
Boott Illus.	15.	1858

The earlier what did they mean by an oblong cylindrical spike with a hispid beak, surely not C. Tuckermanii possibly C. Careyi of Gray Man (not of Dewey.) & Sartwell No 152.

Curtis expressed himself in a letter that Elliott was not a known but little of Carey; I think Curtis showed little knowledge of the genus when he made note on Elliott's ms for Dear Boott

I have lots more to write about Carex but the specimens are [illegible] Olney

Please give me a description so that I may add Otto Boeckeler's name. I had at one time had proposed to name this as C. Porshii but if Otto Boeckeler is even an ordinary Esquimaux =ist he will precede me in naming it, as he may some other things he will find in the Royal Herbarium of Berlin. I must soon find some means to publish the little I have to offer —

C. viridula Mx. has not so elongated an hungymen as C. Oederi and the is even strongly veined. I suppose it to be the same plant that I admired [illegible] Carey that I thought to be distinct from the "Table rock Mesquite" specimen which always seemed to me to be purely C. Oederi

There is a very close resemblance in the hungymia of all American specimens of C flava, even with a scarce & thin utricle to well pedunculate male spikes, so far as far as American specimens go. I should join C. lepidocarpa with it. Schk figure of C flava has a pedunculate terminal male spike; that however has very little weight in specific distinction in Carex

17 Brown St.
Providence Oct 28. 1870.

Dear Gray

Thanks for your letter of 18th inst.

Sometime I hope to get good awards from the Woolen Mill Sloths; then we will see what can be done with Boots drawings. — it was as you said the Smithsonian would and probably but there is no pressure for them — : though one would like to see them.

I have got through with the Drury coll. and returned all but a few small bits of things for which I need them but shall return. When I see you I'll tell you what I think of Drury as a man, but don't write it.

I am not ready for Shrague or any other artists yet. You mistake, I don't want of illustrations of species. It is illustrations of fruit. Seeds male & female flowers inflorescence dissection & achenes. and not until then am drawn shall I arrange groups. I have full faith so far as I have gone, that a natural arrangement can be made by the fruit. Deeper to the contrary notwithstanding

I shall make measurements of fruit &c. in mm. & 1/5th.
and have drawings all made on the same scale

Oh! dont go to drawing dots sighs over the
differences between C. reticulata Muhl. &
C. rostrata Muhl. I believe there is quite
as much as there is between certain asters. I
dont think that undulated beaked aster belongs
to C. reticulata that Congdon left with
me for you.

Tell me what the River side firm charge
for printing paper from wash & cuts for large
8 vo per page. Letter Latin. monthly
English. paper as good as the Enum
of Sullv. Musci Alleghanienses

Who will engrave a few plates for
me. Single culm & 2 + 3 magnified
part of fruit. on each plate. all small specs
and can you tell about price.

Yes I thank god I am not a Rossian
but we all have humps that we would
like to get rid of.

I am sorry that Porter is doing any thing for
Wood "Ann. Botanist & florist" 1871

Yr. Prof Asa Gray

Truly yours Stephen F. Olney

17 Bowen St.

Providence March 7th 1871

Dear Gray

Your post 6th with C. Liddoni Boott came safely. I have got Mrs Boott writ it, and will return it soon. I ought to have remembered it as I had seen it in your Herb.

Its name is C. Liddoni Boott in Hook. Fl. Bor am. first pat. See a MSS list he sent to Hooker see p. 208 Vol 2. Of same work he called it C. fusciculata per your label. I believe there are no corrections in Hook f. & A. Add to your copy p. 208 Vol. 2.

Change Mossia to Rossia ...

squarrosa to squarrosa ...

of C. Liddoni

Watson found fine specimens in two localities on East Humboldt Mts Nevada 1869 which I rightly named & also Mucom near Michipicoten Sept 26. 1869 which I named for him & have never have had doubts - but now am assured again.

One of its characters (of not much account however) Spikelets half female half male, in common bag.

Between 1977
& Hillebrands 2310 I clearly belongs here, with spikelets in a head.

There are two other Californian forms I am now inclined to refer here one of which is

X C. Engelmanni Boott? Boland's list

Where Dr. Boott found its affinity with C. andax I do not well see, other than in a lanceolate fringymium

It is meant with to C. adusta Boott which must take Schw. prior name C. albolutescens as there is no reason why because Dr. B. in ed. Mem (S & C.) page 317 1826 ("when growing in woods the spikes are silvery white) ie C straminea and Dewey's Sill Journ. 11. 158. 1826 "C albolutescens seems to only a variety of the common C. straminea" I say because these and all others are botanists could not see its distinctions until Boott pointed them out in 1840 & Tuckerman in 1843 are no good reason for suppressing C. albolutescens That is if it be a good species as I hope to show, when I get sketches made, which will not be delayed much longer.

Here is a letter with no question to answer. Two or three questions I reserve for another letter

Thank you for asking the question of Prof. Oliver Yours truly

Stephen F. Clay

The Formosa Carices are

598. 2. stigmas. Carex longicruris Nees.
596 3 stigmas. C Bengalensis Roxb.
Validae Nees.

that is so far as my imperfect knowledge of Exotic species goes.

I sorry that Mrs G. had so much of one of her young relatives babies. Hope she is getting well and add my kindest regards.

That double headed name C. cruscorrie is Schw. prior named C. Nuttallii 1824. — So that if Dewey had been a good species it would not have stood.

17 Brown St.

Providence April 23. 1871

Dear Gray

Yours of 15th came duly.

Thank you for remarks on ticket, should have consulted you as 1st one, but that you have enough to do and if within a shade of correctness, I rather prefer they should be my own.

C. Micrandata Sow., was proof not corrected. The separate synonyms divided by a semicolons is not following best authority, not quite so bad as Dury fashion however. Shall improve this, and shall not put name & author in same type, there will improve and not be glaring alterations. You have a quick eye, that comma & Sps. for instance.

No my good Doctor before I get through you will not say "Crochet" in regard to Schw. name. Substitution for original will be dangerous for high scientific authority like yours; it will answer many a purpose of an Wood or Morris who live on others peoples brains.

How will my chronological Review of authors on American Carex, Stacked Tarrely I cannot orient Lewis & Schweinitz entirely. After passing in review the Spp of the earlier authors, there were, Muhlenb, 1803. Only in Number

Willd (with twelve plants named by Muhl himself Schk his own names) Pursh 1814 Muhl 1817 - Nutt 1818 (almost a literal reproduction of Pursh) Barton Fl Phil Robt Brown in Franks N. 1823 & in Parry 1st Voyage 1824 Mertz in 1824 Schw Am Fab should this paper ever be ignored if not ever come to his & L. C. Nuttallii, I should feel that I was neglecting all rules of nomenclature. If I wrote this species was named by an English author Shuttleworth years afterwards C. crus-corvi whose name it must bear Why? and so on. Again because Dont Torrey and your own keen eye did not see C. albolutescens in 1826. so clearly as Dont Booth did in 1840 when he named it C. adusta, should Schw prior name be suppressed There are but two or so of Schw plants in Am. Fab that I have not seen or have the very highest authority for their names. I do not remember meeting his C. stramentacea and his C. abbreviata Schw. am t. fide Booth (C Torreyi) I do not find them here. Nor has an author any right to change his own names of species when published although this has no pertinency in Schw Am. Fab as compared with Schw Torr mss. as if so then Schk C. teretiuscula 1801 is not of 1806 and must bear C. disperma clearly wrong and Dewey could change C. flaccosperma to C. vonthospermia which was not held tenable by the very highest authority

You had the 30 forms of my first fasc of Dict and your Hooker will surely have the representative of every ticket issued so you will have full lists Shall be ready soon with a second fasc. Sorry I am stopped after this 11 copies waiting for a few plants to make up copies for the Nestor of Botany Torrey Englemann &c &c.

I certainly sent that white Violet to you and Carey from Smithfield R. I.; also Lonicera coerulea. Can send set of R. I. Vaccinium &c you sent them to Europe instead of putting them in your Herb.-

Shall look well into C. clay flora Thanks you for notes. Truly yours

Stephen F Olney

To Prof Asa Gray

I have written Colby Willis & Sprague sent you in any case.

17 Brown St.

Dear Gray

Providence May 11. 1871

Thanks you for the bundle of C. stramineus &c which came to the counting room on the 8th.

Mr Emerton was engaged on some unfinished work or the drawings should have been finished the next day

C. pitabatis Davy agrees with his plant neither in mouth of the perigynia nor in the length of the scales. It is clear C. leptonervia L. I have beautiful drawings of it, with its analysis

C. alata. F. Boott. Type Charles Wright agrees with Torrey plant neither in the shape or markings of its perigynia, nor in the male or female scales; the perigynia are spreading, not imbricate, in this agrees with C stramineus, but differs from both

of these species

C. Canum Dietz and its vars major and subinclusa are all pinnagenous and all spreading repentes so that these varieties would not be distinguishable for these varieties. In a few days I shall send you the second fasciculus of Dii. of a dozen or more forms, noting that plants were sold in 1870 & 1st dis about 2nd May of 1871 have been detained for drawing of the analysis of the specimen

Yours truly
Stephen F. Chase

To Prof Asa Gray
Cambridge
Mass.

C. Liddonii is also inclosed in bundle

17 Devonia St

London, May 23. 1871

Dear Gray

I send today the 2nd fascicules of Carex Boreali-Americanae illustratae, or at least the greater portion of it all now ready, the numbers missing are of the Straminicae group. common forms excepting C. Magellanica & C festucacea vera.

Please transfer a plant from Bolander or Brewer Cat to one of your Rhacinae sheets of each of the following to go with labels I send. C. festiva

C. Barrosiachya

Straminea v congesta

also a single specimen of C. Sychnocephala

I will send labels

for C. panicea L. var Columbiana Olney

C. panicea L. v Columbiana forma

brachystachya Olney

in a day or two. send Catalogue of the

sixty forms of 1 & 2 Fasciculi and will then make some remarks whereof I am induced in following Hornem, Wahlenberg & Bentham in carrying C vaginata (C respecto Schleri to C canescens & of that you then C. polygonopha var 2. Mutabilis must go to.

Yours truly
Stephen T Olney.

17 Brown St

Providence May 27. 1871

Dear Gray

I send tickets of two forms of Carex sent in bundles 22 and two per mail and will send a printed list with a few brief notes, and a few of the numbers shortly.

Some few of Carex ~~form~~ var of Pennsylvania were distributed with var Meadii before I knew the former.

Mr Emerton's drawings of the fruit of C pauciflora make a very pretty plate; there are things in the marbled plate of Juncus prolifera that squint to a fourth union

Ever yours

Stephen F. Gray

17 Bowen St.
Sunday Even. Aug 27. 1871

My Dear Gray

I hope this will meet you returned from the association loaded with new scientific honours, freshened in health, and grown in all that makes life delicious.

I sent on the 19th list of Dis. Pascuum III and shall mail with this all the forms of this list save 14. 17. & 18 of which I have none to distribute. -

You had all of the 1st Fasc.

Of the 2nd you had all this. say 17 forms I have added another material 30 viz.

C. scoparia - for. intermedia.

+ send with this

No 5. C. scoparia V minor.
30. C. " - f. - intermedia
9 C lagopodioides V. mariabilis
19. C. stramenia f. macilenta.

17+4 = 21. leaves 9 viz. 4. 6 7 8 10 11 21. 26. 27. to get.

Please acknowledge receipt of bundle

I have now a clear idea of what Carex work I am going to do, either for my own amusement, or the benefit of other botanists whichever it may be

Editor Sprat's Am Cratægus Flora Brooklyn will see one day / early

1. Distribution of every known American form that I can procure. in Fascicules of 30 each I have at my disposal enough for 3 or 4 fascicles and hereafter shall list more but more than I have on hand.

2. Can. Bor Am. Studies of new forms var. spec. with plate Illustrations the same & of synonyms. I have 24 of drawings completed with analyses of fruit and stem. I shall want full 16 more. or may be more yet.

3 a Monograph of N Am. species with drawings of fruit of which I have a good many completed

4. If Everton comes as he informs me "about the 1st of Sept". I prefer that he should do them if not I can procure an excellent young lady artist. It is all under work for an artist to attempt to count for one except under my own eye.

The Monograph will be a work of time; if any other botanist wishes to precede me in any of that work they have my hearty good wishes for their success in all honourable efforts

Yr. cancological work Ever and sincerely yours Lewis

Stephen T. Olney

17 Benevolent
Providence, March 6
1873.

My Dear Gray.

At your request I send names for Halls Egyptian Carices. I hope you will print just as it is.

I had hoped to have seen Drummonds No. Collection of Carices. Forrighad not a complete set in his coll. nor you either.

Mrs. Smith had a letter this a.m. from Miss Maggie Torrey saying that her father had been sick for five weeks past with pleurisy and that he was recovering very slowly all of which I suppose you have been informed. God bless him. The new Mint bill I see did not increase his salary. I regret.

Yours truly
Sereno Watson

738. Carex stramínea, Schk.

737 Carex stramínea, Schk. intermixed with other forms.

736. Carex foenea, Willd.

735 Carex vesica, Schk. var. retrofléxa, Torr!

734 Carex stipata, Muhl.

733. Carex Muhlenbergii, Schw.

732 Carex cephalophóra, Muhl.

731. Carex Muhlenbergii, Schk.

730. Carex Muhlenbergii, Schk. var. austrális

729. Carex vulpinoídea, Mx. var. platy stachya, mihi
Hay. Newyppia not Mottia as usual.

728. Carex Willdenowii, Schk. var. pauciflora, mihi —

Wahl. Texas Carices. (tail foremost).

759. Carex Halei, Carey!

758 Carex gigantea, Rudge.

757 Carex stenolepis, Torr!

756. Carex. lupulina, Muhl.

755 Carex intumescens, Rudge.

754 Carex lentiacalata Muhl. fide Am. authors

753. Carex Hallerana, asso. but not his plant.

752. Carex Emmonsii, Dewey! see Boeckeler in Flora for another name for this form.

751. Carex Glevolcensis, Schw!

750. Carex laxiflora Lam. (? s. str.) var stylósticha Boott, intermixed with other vars.

749 Carex laxiflora Lam (? s. str.) var. blanda form. major Boott

748. Carex Smithii, Porter! (probably C. complanata Torr.)

747. Carex tricéps, Mx.

746. Carex oxylepis Torr! the hispiduous

745. Carex oxylepis. Torr! probably fungoid.

744 Carex flaccosperma. Dewey!

743. Carex grísea, Wahl var. minor, Olney.

742 Carex crystandra Schw. vide specimen in Herb ell! intermixed with var. hedunculata, mihi.

741. Carex grísea, Wahl.

740. Carex microdonta, Torr!

739. Carex hamíscan L. var. near ~~C. tha~~ Meadii, Olney

3

18 Bowdoin St.
Cambridge May 16. 1873

Dear Gray.

Yours of 13 & 14th came duly the latter this a.m.

Hall added few plants to the larger Havana of the country in his Texan Coll. The last list came yesterday; thanks you

Yes I take the 95 Chron. Mag. send by Express. I got from Eaton only 26 Ferns.

Why will you turn night or life from 11 P.M. a.m. Mexican I scription does not come within its boundaries.

I am but getting up to the agassiz School so they want have any coll. From all accounts this is natural enough collected at Cambridge to last him his life time. I see the appropriation lays in the Mass. Legislature (General

Court I should say) I wish him well ~~Hooker~~ You had quite treatment however as you narrated the circumstances to me the evening the last I spent at Cambridge.

I'll add something in the letter when I can come to see you and have your good wife show me what she has got already. 25 years married. May you live 25 yrs more, but you wont unless you drop all superfluous work. Turning to Bentham & Hooker Gen what an amount of work that shows done by you in Gen of Compositae only, say nothing of species.

I think you mentioned that Sullivant's collection in Bryology were to reach your Herbarium If Lesquereux age has got better

he should start at once in Sail.
Unemployed work I know of no
other can compel it to do it Strong
that Sullivant took so favorable
a view of affairs as Doll T.
informed me he did -

Rest Dont Gray out! and
"Life will be precious to you"

Ambition sun how Colfax has
been wrecked by the Pollicans
I believe him honest Oak Ames
prostrate without him the Pac
Rail Road would not have been built
when it was; was the Credit
Mobilier honest? I dont believe it
was - and John Sinclair from
this state employed by the Government
to ferret up their corruption. Then
is an old adage applicable here
He is a very able man however

Yours Sincerely
Stephen T. Oliver

17 Brown St.
Cambridge Feb 5 1873

My Dear Gray

Yours of 30th came duly and would have been answered sooner, but that I have suffered from Catarrh, as I have not so severely) for a year past. The slight attack of illness from which I suppose.

Numbers stolen in Bulletin Hearth & Home and Agriculture are good; yours in Nation March 20 excellent, and one of its beauties is that you ignore yourself and hold him up as the projector and builder of the North American &c. Seemingly however there is a want of expression in it. How kindly we all feel towards him, when we think of his past life.

He was a pet in our family from the oldest Miss Smith (76) to the youngest Story 14.

He was feeble when here in December and I was glad to have him take a glass of champagne at dinner for I felt sure it would do him good. I feel confident that there were forms of alcoholic stimulants that would have roused him after the illness had been subdued.

Also it seems he expected a letter from me during the last week of his life which he did not get owing to the rather too characteristic fear that Mrs S. took of his condition in her letter to Mr Smith.

You will do better without any suggestion from me than with for your paper for the American Academy.

I hope your excellent wife will be benefitted in her visit to Washington. God bless her.

I have a specimen for you of a balsam from near Schroon Lake (with out fr.) glued down when first collected and one of

Also Agassiz not so well down, with afterwards the new Amendments—which I'll send when I have some other thing to S.

Yours sincerely A Gray

Stetson. Tolman

Providence July 22
1876

Dear Gray.

What vanity is over one or
rather has inanimate I am very
much like an oyster only that is pro-
bable. I may last a few days longer
possibly by the middle of next week
How much does your irony flow
could I depend Mrs. Gray to come
to a bachelor house. If you
had only brought her and your
beautiful Miss Saltonstall would
have made the town talk consum-
mated a marriage and left her
a widow within a month and a widow
of few hours standing but that I
am afraid would not have been
legal. If I should depart soon I
want the Canon of my Art to go
Harvard and the drawings to
you. Consult your brother in law
if that would be legal

Edward Lady yours. & Sullivan Esq.

passes my comprehension. Three horses and three at a livery stable.

Ever sincerely yours.

Stephen. E. Gray.

Monday morning

My Dear Gray The Montreal Photographs of you came this a.m. per mail. Thank you for it sincerely.

It is the best of any that I have seen of you. If you had been in the hands of my young brother I should have suggested that the side whiskers should have been cut closer on a line or a little below the mouth. The drapery (dress) is better than any I ever saw you in. I confess that your photographs have not exhibited you as a well dressed man

The expression of the countenance is good out of course so good as that of the day when you so cordially welcomed me to your pleasant cottage at Cambridge for the first time

Is Bob dead I should judge so by Bradley Esqrs to his Catalogue of Ohio Plants

Is it true that Sam Payson has sold out the Boston Alderny Stock. Sometime I expected he would give me two alderny cows and a young Bull though what I should do with them now

to refer this to the group to which they belong; the obliquue cut mouth of the perigynia rather indicate its affinity to C. leporina etc.

My Dear Gray -

I send description of C tennuiculmis mihi by Dort Parry's request If it must be in Latin you must Latinize it, as the Latin part of my establishment is learning to be a Baptist Minister at West Chester Penn. I have made the 1/10 of M on decimal form for convenience of printing --

Yours truly
Stephen F Olney,

Dort C. Co. Parry 1873. No. 234.

Plant, caespitose
Roots, febrous.
Culm, 6 - 12 c.m. long, obtriatic, smooth, angles obtuse.
Leaves short 2-6 c.m. long, smooth, margin finely serrated. narrow and ending in a fine point.
Spikes, ovate 8 - 11 m.m. long, 7 - 10 broad, with 2 - 3 bractlets lowest membranaceous ~~on margins~~, each with 5 - 10 or more spikelets, closely capitate; male flowers at base, female at top.
Perigynia, narrowly ovate lanceolate, beak slender, mouth membranaceous finely fringed at top, obliquely cut, fissure extending deep, margins doubly serrated, from the obliquue cut half way downwards, faintly nerved 3 - 3.2 m.m. long. 8 - 1 m.m. broad.
Scales membranaceous, ovate acute 2 - 2.1 m.m. long, 1.5 m.m. broad
Style and stigmas (2) strongly exserted
Achenium stipitate, oblong 1.4 m.m. long .6 wide - (stipe .4 ~~[illegible]~~ achenium 1.4 style 2.2 stigmas .8 = 4.8 long

Aff. The stipe seems to arise out of, or through spungy matter, as in C. synocephalata, and C. altivostachya, and at first I was inclined

List of E. Halls Oregon Carices. ; notes in brackets for year.

569 No 1. C. nigrata. C. a Meyer

570 2. C Bebbii Boott.

3. C. polytrichoides, Muhl

4 C. Hookeriana, Dewey

5. C. stipata, Muhl

6 C vulpinoidea, Michx var setacea. - C setacea Dewey

574 7. C. Hindsii, Ohwy. Sp nov. = C leiorhyncha Hindsii Sitch. p.q. Jas. f.c. not of C a Meyer.

× 8. C. siccata, Dewey (too poor)

× 9 C. praticola, Dewey? scales darker than usual (too poor)

× 10 C. Marcida Boott? cin mature. (rather too young)

575 11 C. Douglasii Boott. all male

× 12 C. retilis Finn? a few culms

576 13. C. retilis Finn v. a ~~brunnescens. Boott~~ a. alpicola, Wahl

577 14 C. Bolanderi, Ohwy = C. Harbergii Dewey not of Boott.

15 C. ~~st~~ var elongata Ohwy

16. var minor, Ohwy

× 17 var minima Ohwy.

18. var. Sheuziflora Ohwy -

581 19 C. Cernella Boht

582 20 C. echinata Murray 1770 = C. stellulata Good 1794

21. var. -

22. C. leporina L. var americana.

584 23. C. festiva Dewey

585 24 C. festiva Dewey var minor. Ohwy.

poor × 25 C. festiva Dewey var gracilis Ohwy = C. prosperginia Boott in Whipple A.R.S. not of Hen. C. Meyer

586 but. 26 C. festiva Dewey var gracilis, Ohwy - "

× 27 C. altivostachya Ohwy. broader fruit than Cal Spec. (too poor.)

28. C. altivostachya Ohwy? fruit too broad + colour of whole plant unripe

× 29 Carex. - an Sp nov.

30. C. scoparia Schk. ? (worthless)
31. C scoparia Schk
32. C. lagopodioides, Schk
33. C. albolutescens Schw. var brunnea. Ohwy
34. C. albolutescens, Schw. var Gebhardii Bootii, Ohwy
35 ~~Carex~~ - aiispecut (too poor.)
36. Carex Sitchensis, Prescott
37 Carex cryptocarpa C.A Meyer (3 only)
38 Carex caespitosa L.
39. C. stricta Lam. (1 only)
40 C. elata, Allioni 1785 C stricta Good. ~~1797~~ 1792 var
41 C. borealis, Q.F. Lang Fl. B. 142 1843.
42 C borealis Lang? rather stout.
43. C. aquatilis, Wahl var.
44 C. vulgaris Fries ? scales perhaps too pointed.
45 C. deudria Boott.
46 C. aurea, Nutt.
47. C. Mertensii Prescott.
48. C. ferruginea Schk. not C semiperviens Vill.
49 C. frigida, All.
50. C. lagopina Lam. var plantaginea Boott.
51 C. umbellata Schk
52 C. Rossii Boott (Pedicels stiff erect plants with radical spikes)
53 C. Pennsylvanica Lam approaching C. varia in inflorescence
54. C. Pennsylvanica Lam. see some with long pedunculate lower spikes
55. C. Hallii Hallii Ohwy nov sps.
C. amplifolia Boott.
56 C. lanuginosa, Michaux
57 C. retrorsa, Schw.
58 C. Bongardiana C A Meyer not C Bongardii, Boott. Perigynia arcuate.
59 C vesicaria L. var lanceolata Ohwy achenium resembling that of Boott Ill var C rather than the admixture one found in Schk. Reid. f. 106.
60 C. vesicaria L. var. globosa Ohwy.

San Diego Cal., Oct. 8, 1883.

Dr. Asa Gray,

Dear Sir;

Many thanks for your favor of 11th ult. which was duly recd. I cannot send any bulbs of Saxifraga Parryi at present but I will obtain them for you as soon as I can. I send you a few plants of a small Cotyledon that I found in July in Lower California, south of Mts. Cantiles, growing in very dry crevices with Agave Pringlei; the plants I send are full size, having blossomed and gone to seed when I collected them.

Is not Nuttall's Rhus (Styphonia) serrata equally deserving of specific rank now with R. integrifolia with which it is treated synonymous in Bot. Calif.? Rhus integrifolia, as I find among the mountains and hills, away from the coast and as a shrub 5 to 10 ft. high, with

acute, entire leaves about 8 in long: while R. serrata I find only near the coast and when growing on the beach it forms dense thickets 2 ft. or more high, but when growing on better soil in sheltered cañons and especially on the shores of Todos Santos bay, L. Cal., it grows to a height of 10, 20 or more than thirty ft. high, forming a small tree with a trunk 6 to 18 in. in diameter. The leaves of R. serrata are smaller (1½ in. long,) not so glabrous above, obtuse and sharply serrated — rarely, if ever, entire but often nearly so. The seed differ as you will see by the samples enclosed. The general aspect of these species is so distinct and the above characters so constant that I cannot believe them the same. I notice that my plants numbered 868 and 890 are both identified as Lupinus albicaulis, 868 is a shrub 3 ft. 5 ft. high and woody stem 3 in. in diameter, with smaller, velvety leaves while 890 is a low annual (?) with larger, dark green leaves, &c. — which is typical?

Hoping to hear soon, I am,

Yours truly,

Charles R. Orcutt.

P.S. Have you or would you like seed of Phacelia Orcuttiana?

Welcome from the wild flowers of
San Diego, to Prof. Asa Gray L.L.D.

"O neighbors and friends" said the rose,
"Bloom, bloom ye all today.
Ye who would have names immortal,
Come and greet Doctor Gray!

In canyon, on mesa, rejoice,
In your red, white or blue,
To welcome the presence of one,
To us all ever true.

Yea, haste wild flowers, to bloom today,
To greet a loving friend,
Who's made our lives his life long care,
And all his paths attend!"

Thus said the rose; each flower assumed,
And in the perfumed air,
Some censer, bell, or banner swung,
Their guest to welcome there.

Mrs. E.E. Arcutt,
March 19, 1885.

San Diego, Cal., Jany 22, 1884.

Dear Dr. Gray.

Thanks for your last card, duly recd. Having planted several hundred bulbs of shady Saxifraga Parryi in a box placed in a ~~dark~~ corner of my "lath-house" I was surprised to notice some time later that they had all sent out long-petioled leaves (were dug while in blossom), from one or two inches to five inches above the ground. These plants I dug on the mesas and enclose two specimens.

This neat plant first blossomed on our San Diego mesas this season late, in October 1883. On the damp, shady hillsides, among the rocks at Fall brook, this county, I found it in full bloom at the same time and on my return to San Diego in November and till the last of December I found our mesas dotted over with extra sized flowers of this, on scapes 5 or 6 in. high, the leaves appearing soon after and also second or third,

shorter scapes would appear, so that leaf, fruit and flower could be obtained on one plant till after the first of July. The last flowers scarcely higher than the leaf which I have never found in the fields other than short petioled.

The leaves are quite large on damp, shady sides of cañons but the plants seem dwarfed on the mesas. The leaves remain in view through the wet season when they disappear with other vegetation of its kind.

Dr. Parry writes of the possibility of your visiting this coast — I hope you will adopt his plan.

Yours truly,

Charles R. Orcutt.

Orcutt, C. R.

Laboratory of Organic Natural History:
CHARLES RUSSELL ORCUTT

SAN DIEGO, California, July 16, 1884.

Dear Dr. Gray,

Thanks for your favor of June duly rec'd. I have just returned from my 2. C. trip which proved short, not quite as long as last year and but little earlier. However considering all things I think the trip successful as far as it goes and have been numbering a set of the plants which I shall soon send you.

Cordylanthus Orcuttianus I found in fine condition in its original locality and not rare.

Antirrhinum Orcuttianum I found at Tijuana (or Tia Juana) valley with white blossoms; higher among the hills with light to darker purple flowers and higher still, near Campo of this county with white blossoms again, occasionally tinged a little. It all seems and is undoubtedly the same and grows from 6 inches to six or eight feet high here. In this city or vicinity it is purple. Very abundant.

A. Muttallianum & A. subcrenile do not seem to approach each other in the least. A. filipes, Gray is as yet rare with me but I have found it on shady, moist banks of the mission cañon, under or with bushes (only 2 or 3) and also several individuals in similar places in Cholla valley (3 miles from San Diego "city"). I found it too late to find much but it seems to be at home and "born here".

My father and I again entered "Cañon de la Bajada de los Cantillas o Castillas Blancos" that is the great cañon of the Cantillas Mts., or the "White Castles", visible from Ft. Yuma which Palmer called "Cantillas" (How came he by such a name?). Scenery said to equal the Yosemite. It is grand

We had a satisfied view of the Colorado desert as it was in the descent but found the vegetation nearly as far gone as last year. I noticed two Phacelias (one of which I found a day top with seeds) and also a very fine Portulacaceae with six or eight large stalks, 6 to 10 ft. high, bearing white blossoms marked with pink or red in the throat. It seems new to me but I was only able to secure fruiting specimens with dried deciduous flowers which I hope may show you what it is and be sufficient to determine.

I have been repeatedly requested to look for Arctostaphylos Clevelandii in its original & then locality and have examined hundreds of manzanita bushes with this success. Arct. bicolor is abundant in that locality (with A. pungens & A. glauca), and answers to the description (by Cleveland) of the bush, etc. It is not rare for it (A. bicolor) to bloom several times a year and I have found it in beautiful bloom this month (the 12th) with flowers &c, according to your account of A. Clevelandii from the same locality as D. Cleveland first collected his scanty specimens. Note your other distinctions (acquiesce in Bot. Calif.) individual branches of A. bicolor, even individual plants (of what is beyond question A. bicolor with fruit, flowers &c, both from S.D.) that answer in every particular I believe except in the leaves are not sessile though often nearly and perhaps in some cases quite so. The leaves of A. bicolor vary greatly in size & shape &c. Now that I am so familiar with A. bicolor, the specimen of A. Clevelandii in the Cleveland Herbarium seems to me as a young branch or shoot of A. bicolor beyond doubt. Would more complete notes on this subject be worth publishing?

I shall send the plants to Prof. Watson soon. Will you not be at liberty to this communication if you? I should be greatly pleased to have it.

Yours truly

E. L. Greene.

Laboratory of Organic Natural History:
CHARLES RUSSELL ORCUTT.

SAN DIEGO, California, Aug. 28, 1884.

Dear Prof. Watson,

Your favor of 11th inst. duly recd. Thanks. I send with this a specimen of a Cotyledon of which I sent plants in 1882. Also more of the Mimulus which you marked as probably new. It grows with M. Palmeri, and came near being overlooked, it having so small a corolla.

I have collected Erythea armata twice - flowers and fruit both at the same season - and have sold 200 lbs of seed this year. I sent a specimen of its flower to you & will send more after a while when convenient. It is known as Brahea glauca to seedmen. Could I enclose a few plants for Prof. Sargent in a package to you?

Two inches to six feet is time of the typical Zygadenus Fremontii which is what I thot new: what I wrongly supposed to be typical however is entirely distinct - peculiar to our mesas. You will believe when I send good specimens.

Erythraea venusta was very abundant this year and plants with pure white flowers only were quite abundant while others had only white blossoms tinged or of a strong tint of purple! Pink of every shade was to be found — red, white & blue in one species. Will send notes and specimens when sending others.

No. 1087 which I sent you with the last lot of plants is not Rhacelia Orcuttiana, but probably a new species, if so, I wish to name it Rhacelia Goodwiniana, for an early friend, Hon. E. W. Goodwin of Vermont. The flowers are small, of a faint bluish tinge or nearly white. I have sent it (with the rest) to the Cal. Acad. of Sci. at

San Francisco as I was sending them a lot of plants. I wish to publish a new list of our plants & to render it complete, and to learn as soon as possible I want some common things for Mr. Greene to name.

No. 1128 is not Nemophila Menziesii, corolla is very small, white, &c. If new I would name it Nemophila Cronquistiae for my friend Mrs. E. R. Cronquist, M.A. of San Diego.

I was having a dozen species named by half a dozen doctors as Arcuata, +ii, +ana, +anus, & +anum. I often am inquired of why the different terminations of ii and ana were given. I have supposed it to be simply a difference of opinion as to euphony. In talking with Mr. Parish, he tried to play practical joke upon me by advising "to have you change the ana's to ii's or I would lose all the ana"!! Other people are about as reasonable in supposing that I name them for myself. Your last +ii's destroy my euphony theory and the use of these terminations seems to depend upon no general rules — simply a matter of choice — or chance? I would like to know if there are any rules or difference in their significance in any case.

I envy you the Castillejas canina gain near work.

Hastily

Yours truly

E. L. Greene.

Laboratory of Organic Natural History:
CHARLES RUSSELL ORCUTT.

SAN DIEGO, California, Oct. 14, 1884

Dear Prof. Watson,

I send with this (by express?) another package of plants — including a few for Prof. Sargent that I think will be of interest to him. The seeds of Nolina Orcuttii, Greene, n. sp. has been distributed in Europe as N. Parryi (which I at first supposed it was) for the last 10 yrs.! N. Palmeri has also been sent to Europe under the same name!

The new genus from Lower California was found in fruit by Dr. Parry in 1883 and Dr. Engelmann made drawings, etc. preparatory to publishing, before his death, but delayed for the sake of flowers which I was expected to collect. Dr. E. wrote me it was allied to Phyllanthus and most likely unpublished. I expect Dr. Parry will now complete the descript and drawings on his return but send you a sp. now I have it and also to several others.

I have sent Dr. Gray more bulbs of Sisyrinchium Parryi which seem anxious to bloom — they will only ask a moist atmosphere at this season of the I also sent a couple of seed of Brahea glauca

Orcutt

(Erythea armata) as you requested. I could not find any on this last trip but send some I had saved for specimens. I am trying to find out where European nurserymen get their seed of "Washingtonia robusta" which I believe is sent them from this country (Cal-a). It is called a variety of W. filifera occasionally but is spoken of as very distinct. If they get seed of one Cal— collector (as I expect) I am satisfied it is simply W. filifera sent out under a different name. I find the seeds of Pinus Parryana and P. monophyllus to be indistinguishable inseperable (notwithstanding this gentleman claims to be able to seperate them when mixed). I have full series which prove his attempt a fraud of the first water G. W. Dunn understands the seed business and could give much valuable information if he chose regarding these European names and their origin perhaps but I can't consider him reliable where money is concerned. If you choose to write don't mention my name since he dislikes me apparently because of the failure of his pine seed claims.

Hastily yours

C. R. Orcutt.

San Diego, Cal., Jany 21, 1885.

Dear Prof. Watson,

I send by the mail today a sample of the seed of Washingtonia from Cantillas cañon, and would like it compared with seed of W. filifera from other places for the reason that I have been asked if the Cantillas palm was not W. robusta. I find that Wendland named and described W. robusta and that it is considered a very distinct variety but I have not yet found out who collected the seed. though I learn that a N.J. nurseryman distributed it or rather furnished seed to a Belgian firm. You mention in Bot. Calif. that the Cantillas spr. is "the same or a similar species" as W. filifera. Can it be var robusta? De Smet, Frères of Ledeberg-Lez-Gand, Belgium say they know "Erythea armata to be synonym to Brahea glauca" and supposed B. Roezlii to be the same; but they do not seem to be acquainted with E. edulis.

Dr. Parry tells that he expects you to publish the new genus Petiaveeus, - if you want more material such as I sent last you are welcome. You have probably recd my new checklist of plants designed for my patrons and correspondents and those who are residents of this place that exchanged my "1st Ed." The Wrightia is W. Mexicana. What is the Isoetes sp.? You have specimens.

Dr. Parry says he has written you about Bloomeria which you are likely to misunderstand if you do not know all. I wrote him in detail because of complaints in regard to Chorizanthe &c made to him by D.C., to show him that I had not acted unjustly in that matter. But the Bloomeria disclosures proved (to Dr. Parry at least) both the nature of the complaints and actions of D.C. so that I am indebted to your naming as to you did and have cause to thank rather than complain of N. Please do not refer to this disagreeable subject. Ophioglossum is out & everything green. Hope Dr. Gray will not fail to visit S.D. this spring.

Sincerely
C. R. Orcutt

Laboratory of Organic Natural History:
CHARLES RUSSELL ORCUTT.
SAN DIEGO, California, Feby 16, 1885.

Dear Prof. Watson,

I am learning more about the palms through Geo. A. Purdie of Boston whom you kindly directed to me. From him I learn that Brahea Roetzlii (as well as B. glauca) is beyond much doubt your E. armata, while Washingtonia robusta instead from "Sacramento valley" is from Lower California and was seen by Roetzl in company with B. Roetzlii. Should the Cuntillas palm be W. robusta, I am not familiar with true filifera but I shall try this year to get sufficient data to settle these questions, but it is something to be sure of two synonyms of Erythea armata (which I suppose has priority ?).

The Sclerococcus which I at first suspected Dr. Parry would publish he wrote me later would probably be described by you, but at his request I sent as much good material as possible to him and was lately surprised to receive a description of the genus which he said I might publish in my little paper which I have accordingly done, it appearing in the present number 3 of The West Am. Scientist, described as S. dioicus, a name which Dr. Parry had previously given me for it. Your letter of 30th ult duly recd. was too late to change

or prevent my publishing, but I trust the seeming misunderstanding will not cause any material trouble since you have not yet published the species. I send you another fruiting specimen for the herbarium and also the Elatine and Alisma which I promised some time ago. The Mimulus Parishii, Greene was overlooked in my first sendings — I send a sp. for the herbarium. I at first took it M. inconspicuus but did not study it.

Have recd Gray's Cont. and paper on Bentham which I value greatly. I hope Dr. Gray will not fail to visit San Diego as he proposed. It is not a wet season like last but I think I can do some good botanizing in the mountains of L. Cal. A renewing of the Mexican soldiers renders it at present unsafe to travel in our own mountains but along the coast and the further mountains of L. Cal. I think will be safe.

Sincerely
C. R. Orcutt.

Laboratory of Organic Natural History:
CHARLES RUSSELL ORCUTT.

SAN DIEGO, California, Mch. 28, 1885

My dear Dr. Gray,

I have just mailed the March number of my paper, which was in press while you were here, to the care of the Cal. Acad. for you. There were 100 + errors to correct in the proof of "Our Peninsula Flora" so please excuse the bad proof reading, which is a new, but I think a valuable, experience to me. I believe you did not visit the city of Mexico — that was my error.

Just recd a note from Dr. Parry with a second communication for the "West-Am. Sci."; — his notes and conclusions regarding his study of Chorizanthe Lastarriaea at Kew and the British Museum. He was to have left for Kew on the 26th inst. and has engaged return passage for America, Aug. 12.

Started for the depot last evening for Mr. Greene, but my buggy broke down and delayed me. I learn that he stopped over at Temecula and probably will not be along till Monday.

All that heard Prof. Parlow's "popular" lecture called it excellent, but comparatively few thought that anything of interest could be said about seaweeds so that the attendance was very small.

I hoped to have started this next week for the south but now expect to start a week from Monday

When my father, Mr. Berry and myself will likely go to Todos Santos Bay (where Dr. Parry wanted you to go) and thence south to where the belt between winter and summer rains exists, and where I hope to find the two Yuccas and Fleshias together. This belt exists, according to Dr. Gabbs' narration, in the vicinity of Rosario and San Fernando. Would not an approximate map of northern Lower California, giving distribution of plants, these peculiarly situated localities where new or peculiar species are found, and other data, be worth publishing after a careful comparison with the Narragansett maps?

You would have sunshine enough if you were now here. Trust your cold is better after leaving "foggy Sandy ague"

Regards from all to Mrs Gray and yourself.

Sincerely

C. R. Orcutt.

San Diego, Cal. May 28, 1885

Dear Prof. Watson,

No. 3 of the "West Am. Sci" was published Feby 15 but no copies mailed till the following Monday, Feby 18, 1885. Rev. E. L. Greene and Wm M. Canby informed me that they received it before receiving your paper.

Dr. Parry waives any claim to priority, I believe, and I should think your name should be given the preference, because your paper bore the exact date of issue, while a periodical usually bears only the no. of its supposed publication. Such a rule would save confusion in a case like this where few will ever know which was mailed first. Please inform me which name I should use.

Had a poor trip into Low. Cal. — scarcely any plants collected but I have a few to send as soon as I am able, but have been about sick since my return. Thanks to Dr. Gray for palm leaves. Will write as soon as I feel physically able. Sincerely C. R. Orcutt

Laboratory of Organic Natural History:
CHARLES RUSSELL ORCUTT

SAN DIEGO, California, Sept. 16 188 5

Prof. Sereno Watson,

Dear sir,

I mail you today a few plants which I hope may be of interest to you and ~~Dr.~~ Gray. I also enclose a dozen or so specimens of legume species for Prof. C. S. Sargent which please to send him when convenient, — you may like to look them over and if there is anything which you would like I should be pleased to have you keep it. I send specimens of what appear to be three sp. of Rhus, R. integrifolia R. ovata, and a third which I'd marked R. Hindsiana? That has the aspect of R. integrifolia and fruit similar, but the leaves more like R. ovata. I found two bushes of it in fruit in canyons in the vicinity of Todos Santos Bay, Lower Calif.

I found very few plants in my last trip into L. Calif — several Verbenas, Greene's new Petalonyx linearis, "Eucnyda paniculata" (Plant), a Rhacelia &c. Kindly give my regards to ~~Dr.~~ Gray.

Yours sincerely

C. R. Orcutt

C. R. ORCUTT,
SAN DIEGO, CAL.

Mch. 27, 1886.

Prof. Sereno Watson;

My dear sir,

Enclosed please find eleven dollars ($11.00) for which please send the two volumes of the 'Botany of California' to Savanna Handy, Arcata, Humboldt Co., Calif., by registered mail and greatly oblige.

I expect to start for Lower Calif. next week and hope to make a long trip and to have some good things to send you on my return. Have been delayed in starting for several months but hope to get off now.

Please remember me to Dr. Gray

Yours sincerely

C. R. Orcutt.

CHAS. RUSSELL ORCUTT,
Life Member San Diego Society of Natural History.
DEALER IN
Seeds, Bulbs, Plants, Shells, Curios, Books,
Periodicals and Natural History Specimens.
PUBLISHER OF THE WEST AMERICAN SCIENTIST.
SAN DIEGO, CAL, U S A

June 19 1886

Prof Sereno Watson

My dear sir,

I send by mail a small collection of plants from L. Calif. – the result of my last trip. I travelled about 350 miles south to near the 31° n. lat., found the vegetation changing rapidly and in fact left behind all the trees and many of the plants familiar at San Diego. Found Erythea armata, Cereus gigantens (or a similar species), several new species of Cereus, a new Fouquiera which I propose to call F. gigantea – a tree 40 to 60 ft. in height!, &c.

Thanks for your interesting paper lately received and also to Dr. Gray for his. I was much interested in your Guatemalan trip.

Remember me to Dr. Gray.

Yrs. sincerely

C. R. Orcutt.

Dear Prof. Watson; July 7, 1886.

I sent you maybe a specimen labelled Pleurotegia macroptera and wrote you that I sent it (with other Eriogonae) to Dr. Parry. Dr. Parry will publish it soon as the type of a n. gen. but please do not mention to him my writing you so. I send nothing to Grand & nothing else to Dr. Parry beyond what I wrote you, so that I trust there can be no other occurrence like Tetracoccus (of which I sent Dr. P. & Prof. Lewis as well as you). Yrs. truly C. R. Orcutt.

Nothing but the address to be on this side.

Prof Sereno Watson
Cambridge, Mass.

C. R. ORCUTT,

PUBLISHER OF
The West American Scientist.
The Young Men's Journal.
The San Diego Magazine.
The Old Curiosity Shop.

ALSO DEALER IN
SHELLS, MINERALS, FOSSILS,
SEEDS AND PLANTS.

San Diego, Cal. Nov. 7th, 1888.

Prof. Sereno Watson,

My dear sir:—

Will you kindly send by express or registered mail, prepaying charges, one copy of the two volumes of the Botany of California to the Public Library, San Diego, California.

I will be responsible to you for the pay and remit as soon as I can collect of the library — I would remit now but do not have the money at hand, but trust it will be satisfactory to you. At what price can we secure Engelmann's Cacti (the Memorial volume) for our public library? We want it, they ordered it me (through the trade) but failed to get a copy.

Sincerely C. R. Orcutt.

C. R. ORCUTT,

PUBLISHER OF
The West American Scientist.
The Young Men's Journal.
The San Diego Magazine.
The Old Curiosity Shop.

ALSO DEALER IN
SHELLS, MINERALS, FOSSILS,
SEEDS AND PLANTS.

San Diego, Cal. Nov. 7th 1888.

I am especially desirous our
library should obtain the Engel-
mann Memorial volume in Cacti
as it is not and probably will
not otherwise be accessible to me
or other students in this city.

Sincerely
C. R. Orcutt.

P.S. Just send mail order for Botany
of California, two volumes, by registered mail
to H. C. Thayer, Pasadena, California.
for which I enclose M.O. for $11.00 Sent Nov. 21

When will Synoptical Flora of N. A. probably be complete
& in how many volumes? What is latest price of it & shall I
order of you?

Prof. Sereno Watson,

My dear sir. - Would you be so kind as to send me a copy of Nuttalls original description of Cereus californicus?

Which is the true spelling of the name of our common Mamillaria - is it rm. Goodrichii or Goodridgii? I see Engelmann has used both ways, & Vasey & Rose in their latest use both names for the same plant also.

Erythea edulis has very recently been reported by a German botanist from the mainland in Mexico.

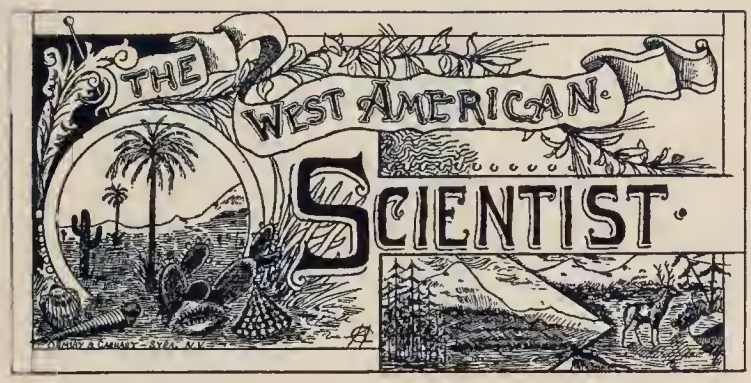
What is your opinion about "Washingtonia robusta?" What are its specific characters by which it is to be distinguished from filifera?

I expect a lot of cactus plants from Lower California shortly. Would you like to exchange any botanical works for living ones? If so, I will try to send you a box by freight, or if you care for them whether you can exchange or not.

Sincerely,

C. R. Orcutt,
San Diego,
Calif.

July 2, 1890.



An Illustrated Monthly Magazine of Popular Science—the only one published on the Pacific Coast.

SAMUEL CARSON & CO.

Publishers,

Booksellers

and Stationers

No. 208 Post Street,

San Francisco, ... 18

July 18, 1890.

Dear Prof Watson. - Your favor of the 10th is at hand together with Jon. & G. Fl: many thanks for same. The description of Brews ? Californicus Nutt. mss. leaves no doubt in my mind that Erecus Emoryi Engelm. was ~~wrongly~~ meant. It does not answer for Opuntia serpentina which is rarely "erect", not "shrubby", without "numerous clusters of long and short spines". The fruit of O. serpentina is dry while O. Emoryi is not dry until sometime after it reaches maturity, so that I cannot consider that a good character. O. Emoryi plainly must be reduced to synonymy.

What you say about Washingtonia robusta is what I had suspected for more than a year. I was desirous of revisiting the Cantilles (not "Tantillas" as Palmer wrote it) cañon before venturing to say much. Both forms are growing in this city however and I must say that I cannot discover any constant character in which specific difference may rest. The palms in the cañons down from San Bernardino (in San Diego County on the Colorado Desert.) are all of one species evidently, but quite variable. In some the leaves are "copiously filiferous" - in other very scantily filiferous. Other leaf characters equally variable.

2/ The northern form is more robust in growth as a rule, but some seen in Lower California are as rank in growth as any I have seen. No characters in fruit (or flower?) can be found by which to distinguish I have seen thousands of both, wild & in cultivation, and have corresponded with everyone who had to do with the introduction of W. robusta. I cannot consider it more than a variety of W. filifera.

I see you refer Opuntia californica to O. acanthocarpa. From the original descriptions I consider it unquestionably what Engelm. later described as O. ramosissima (O. tessellata later yet). This is a very abundant Californian cactus while O. acanthocarpa is a larger form which I do not know of ~~O. acanthocarpa~~ having yet been reported in the state.

I am making a special study of the Cactaceae. Our Opuntias are especially difficult to study, and the lack of certain literature nearly discourages me. I hope to grow all the species obtainable & so get original notes on all American species of cacti.

Thanking you again for your kindness I remain,

Sincerely
C. R. Orcutt
San Diego Calif.

Monsieur

Athenes $\frac{3}{15}$ Juillet 1858.

J'ai eu l'honneur de recevoir, il y a quelque temps, deux volumes de vos excellents ouvrages de Botanique par mon ami Calopothakis. Je suis infiniment reconnaissant à cette marque d'estime d'autant plus quelle vient d'un homme de Science comme Vous, et d'un pays si aimable dans ma pensée, que tous les Grecs adorent comme foyer de la Vraie Liberté, et des idées Philanthropiques, aux quelles ils doivent une grande partie de leur indépendance.

Je suis heureux, Monsieur, aujourd'hui ayant saisi l'occasion par le moyen de Votre digne et aimable Confrere M^r Fellow, vous remercier pour votre offre, et vous prier de pardonner mon silence, qui a été causé par mes occupations et surtout par mes Voyages Botaniques.

J'ai visité il y a quelques mois une partie de Phthéotide et de Thessalie et surtout la fameuse montagne des Dieux l'Olympe, ou j'ai découvert plusieurs espéces nouvelles, et très interessantes pour la Science. Dans le printemps prochain il sera prête pour Vous une belle Collection de ces plantes si differentes des Votres. Je vous prie, Monsieur, d'avoir la bonté m'envoyer aussi la Flore sechée de Votre pays. Cela sera pour ma collection un véritable trésor; de ma part, je vous enverrais toutes les plantes grecques.

Si

Si vous trouverez ma proposition bonne, ayez la bonté d'y ajouter les semences et les bulbes des plantes naturelles à Votre illustre pays. je ferais la même Chose pour Vous, et de cette manière nos jardins Botaniques et nos herbiers s'en enrichiront réciproquement.

L'année prochaine j'espère aussi publier mes éléments de Botanique, dans les quelles vous verrez qu'en partie je suis votre imitateur et votre admirateur.

Agreez, Monsieur l'assurance de ma plus haute Consideration avec la quelle j'ai l'honneur d'etre

Votre Serviteur

Théodore G. Orphanidès

Prof^r à l'Université Othon

à Athènes

Boulevart Amelie

Cephalonie Athenes 30 Mars / 10 avril 1870.

Monsieur le Professeur

Il y a long temps que j'ai reçu Votre lettre par laquelle Vous m'aviez annoncé l'expedition d'une collection des plantes Américaines par le moyen de Monsieur Hill. et il y a 3 mois à peu près que j'ai reçu cette collection en 135 espèces dont aucun ne se trouvait dans mon pauvre Herbier en plantes de Votre belle Flore.

Je dois donc Vous remercier, Cher Monsieur, pour cet envoie, et comme Monsieur Robert Keep Consul des Etats unies à Athenes, a bien voulu aujourd'hui m'avertir qu'à Smyrne il y a un batiment d'amerique qui va partir, je me empresse à Vous écrire deux mot et Vous envoyer une petite collection des plantes de mon pays que je continuerais à Vous completer. Comme M'r Hill m'a dit que les Centuries I – III de mon Flora Graeca Exsiccata sont adressés à Vous par lui, je continue à Vous envoyer la Continuation Suite.

Cette année je publierai 3 autres Centuries IX – XI que je Vous enverrai par

Les premières Centuries. Monsieur Hill. m'a dit qu'il vous a envoyés les 3 premiers. Enlevez moi la dessus et Vous serez sûrement mon ami et confrère de Boisduval

Ordonnez-moi aussi tout autre chose que Vous desirez de ma patrie. J'aurais un grand plaisir à Vous être agreable.

Votre tout dévoué
Orphanides

S'il y a d'autres Botanistes qui veulent des plantes grecques avec plaisir je ferais des échanges avec eux pourvu qu'ils m'envoient d'autres espèces que les Votres.

le moyen de Monsieur Keep aussi avec une collection des herbiers des plantes Grecques et balkes, si la saison le permet.

Je Vous prie Monsieur, de continuer Vos échanges des plantes américaines et me communiquer toutes les espèces de Votre Ouvrage que Vous avez en double extreme bonté m'envoyer. De ma part je Vous enverrais toute notre flore presque, que je possede car j'ai trop herborisé sur toutes nos montagnes. Je suis fachée que le court temps que M^r Keep m'a donné (car le bateau va partir) ne me permet pas de Vous envoyer une partie des plantes plus considerables. Mais je me reserve à Vous les envoyer dans la premiere occasion qui ne tardera à se presenter.

Si Vous pouvez envoyez moi quelques feuilles en doubles échantillons. Elles sont les Orchidées, les graminés, les fougeres et les Cryptogames en général les ericacées, primulaceae, et tout ce qui caracterise la Flore de l'Amerique du Nord Septentrionale.

les Cyperacées

J'accepterais aussi toutes les plantes des îles et d'autres pays (l'Europe exclue) que Vous possedez en double par Vos correspondants.

Comme le temps ne me permet pas à Vous ecrire plus emplement, comme je le desire je Vous prie de pardonner mon silence involontaire jusqu'aujourd'hui et esperant avoir de Vos nouvelles et des nouvelles plantes, je Vous prie d'agreer l'assurance de mon respect avec laquelle j'ai l'honneur d'être

Votre serviteur

Ph. G. Orphanidès

P.S Les plantes que je Vous envoie sont en nombre 158. C'est la 5^eme Centurie de mon Flora Graeca Exsiccata et une partie de la 6^eme. Je tacherais à Vous les completer. Car elle font la base de la Végetation grecque dans le Classique Ouvrage la Flora Orientalis de Boissier ou il sont mentionnés par leur numeros les espèces types de l'ouvrage. Comme il y a une Vingtaine d'années depuis la publication il y a peu d'espèces doubles mais je detacherais de mon propre herbier toutes les plantes doubles pour Vous les completer!

Ecrivez moi si Vous possedez ou non

75 Nassau Street
New York Nov 5. 1855

Mr. Asa Gray

Dear Sir

Enclosed you will find proofs of 12 Blocks, ordered Engraved by Mr. Putnam. The cuts are carefully done, and if properly printed, will look full as well, if not better than the proofs enclosed.

I would have been up work to Engrave them if the blocks had been a little whitened —

Respectfully Yours

J. Ford

Biological Laboratory,
FRANKLIN COLLEGE.
A. OWEN.

Franklin, Ind., Feb 23 1891

Dr. Sereno Watson
Cambridge Mass,

Dear Sir; Sometime ago I wrote to Prof. Goodale asking for the titles of articles with the names of the publishers of such articles as would be of value in the preparation of a lecture upon the life and labors of the lamented Dr. Asa Gray. Mrs. Goodale replying in the absence of her husband, refers me to you. If you will give me such information as it is at your command, I shall feel under many obligations to you.

Most Respectfully
D. S. Owen.

Biological Laboratory,
FRANKLIN COLLEGE.
D. A. OWEN.

Franklin, Ind., Mar 24 1891

Dr Sereno Watson

Dear Sir; Your note with the notes relating to the life of Dr Asa Gray have been duly received; and I want to express my grateful thanks for the same.

Most Respectfully
D. A. Owen

Springfield
Dec. 28. 1858.

Dear Dr. Gray,

I am sorry I have kept Mr. Redfield's note so long, but he wanted me to put in the exact date of the rediscovery of the Erica, and I have not obtained it till today.

Mr. Redfield was very much pleased at finding of the Callima, but I sent him the correction which I proposed; he approved of it fully and desired me to alter his MS. accordingly.

As he has taken such pains to see for himself the plants of which he speaks, and to get all the information at first hand as far as now possible, he bears no endorsement of mine; still, at his request, and as a Nantucketer who has known all these facts from the beginning, I do vouch for the general accuracy of his statements.

Yours very Truly

Maria L. Owen.

Prof. S. Watson Dear Sir: I send you a list of such plants you ask for such as is not in the Manual except a few. These are more reported but I do not know enough about them to say if we have them in the state. If any thing else wanted that I can do will be pleased to do so.

Yours truly,

Dr. J. H. Oyster,
Paola, Kas., June 12, 1888

Clematis Fremonti N. Only Ellis Co. so far as I know.

Aquilegia brevistyla Hk. I have seen a specimen at Edwards labeled this Sp. coll. by Snow & Law. It looked to me like this sp.

Thermopsis platyceras Link & Otto. The same sp. as in Coulter. Seen in many Cos. in central Ks.

Corydalis aurea Willd., var. occidentalis S. E. Ks.

Vesicaria gracilis Hook. S. E. Ks.

Cleome integrifolia T. & G. Lawrence, Wyandott Co.

Cleomella angustifolia T. Pawnee Co. and along down the Ark. River to Labette Co.

Polanisia trachysperma T. & G. Wichita here

Helianthemum canadense Michx. Linn Co. 30 miles south of

Viola pedatifida G. Don. Wilson Co. also other Cos.

Polygala alba N. Commanche Co. & north.

Fremontia Pitcheri N. Several cos. in E. Ks.

Paronychia Jamesii T. & G. Many Cos. in central Ks. also Harper Co.

Anychia dichotoma Michx. Both in E. Ks.

A. capillacea do

Portulaca pilosa L. Miami Co.

Talinum calycinum Eng. Pratt & Edwards Cos.

Calirrhoe alcaeoides, G. Miami Co. and many Cos. in Central Ks.

C. involucrata G. many Cos. in Central Ks.

C. digitata N. Cherokee Co.

Linum rigidum Pk. Many Cos. in Central Ks.

~~Aesculus arguta Buc~~

Nuttallia pulchra Benth. Miami Co. & west

Astragalus cuspidatus Pk. Commanche Co.

A. lanceolatus Pk. Central Ks.

Dalea aurea N. Harper Co. north to Neb.

D. laxiflora Pk. Harper Co.

D. lanata Spreng. Commanche Co.

Petalostemon multiflorus T. Miami and many more Co. west

Indigofera leptosepala T. Commanche Co.

Astragalus mollissimus T. Central and west.

Desmodium Illinoense G. Miami Co.

Rosa Arkansana Porter. Central Ks.

Heuchera hispida a. s. mss

Oenothera Drummondii Nat. Have a specimen from Brooks Co.
" linifolia V. Labette Co.
" Missouriensis D. mis. Miami & west
" speciosa V.
" triloba V. D. T. Scott.
Gaura coccinea V. many Cos. in central Ks
" parviflora D. & L. Wyandotte, Lawrence and many other Cos. in the state
Stenosiphon virgatus Spach. Miami and many other Cos.
Gentzelia nuda T. & G. Central Ks.
G. oligosperma T. & G. Commanche and other Co.
Cucurbita foetidissima H.B.K. Central Ks.
Eryngium Leavenworthii T. & G. Allen Co. & Central Ks.
Phlox divaricata B. & H. Franklin Co.
Peucedanum foeniculaceum T. Miami Co.
Valerianella stenocarpa Kuck. Miami and Labette Cos.
Vernonia Arkansana DC. S. E. Ks.
V. Baldwinii T. All over Ks. unless it is in the almost extream western part.
Liatris punctata Hk. Seems to be in about all Cos. in the state
Gutierrezia Euthamiae T. & G. Many Cos. through the Central part of the State.
Amphiachyris dracunculoides V. Many Cos. in the Eastern part and towards the central
Grindelia lanceolata E. Lynn, Bourbon - seems to be in the southeastern part of the State
G. squarrosa Dunal. Lawrence
Heterotheca Lamarkii Cass. From Harper Co. north in many Cos.
Chrysops is pilosa T. So. Ks.
C. villosa V., var. hispida G. Harper Co. & north.
" " var. canescens G. Harper Co.
Aplopappus ciliatus, DC. Lawrence. Com. all over western Ks. & Central
" divaricatus G. Harper Co.
" spinulosus DC. Com. in central Ks.
Aster Drummondii Lindl. Miami and many other Cos.
" linariifolius L. Cherokee Co. in So. E.
Engelmannia pinnatifida T. & G. Coll. South & Central
Iva xanthiifolia V. Wyandotte Co. Lawrence & Barnard
? Rudbeckia amplexicaulis Vahl. Neosho Co.

Lepachys columnaris T. & G. Miami Co.
Helianthus Maximiliani Schr. Lawrence & south
H. Oryzalis DC. Miami & many other Cos.
H. petiolaris T. Seemes to be more of this plant in central Ks. than all other plants together
Coreopsis cardaminefolia T. & G. Seen in many Cos. in central Ks.
Thelesperma gracile G. Central Ks. It may be sibiricum or subsidens tenuifolium
Marshallia caespitosa V. Cherokee Co. S. E. Co. & State
Hymenopappus scabiosaeus L'Her. Labette Co. and many other Central Ks
Actinella scaposa V., var. linearis V. Several Cos. in central Ks.
Gaillardia lanceolata Mx. Central Ks.
Artemisia annua L. Growing in Barnuth's yard at Lawrence - voluntary
A. filifolia T. Central Ks.
? Cnicus ochrocentrus G. Central Ks.
? Prog on humilis Ell. Miami Co.
Lygodesmia juncea Don. Central Ks
Pyrrhopappus scaposus DC.
Specularia leptocarpa G. Miami Co.
Lobelia Nuttallii Walt. Neosha Co.
Campanula Americana L. Central Ks.
C. stenophylla G. Miami and other Cos.
C. verticillata L., var. pumila G. Many Cos. in central Ks.
Sabbatia campestris T. Linn, Anderson and other Cos. in southeastern part of the State.
Gentiana Russellianum Gricb. Barton Co. - Great Bend
Phacelia parviflora Ph., var. hirsuta T. Labette Co.
Heliotropium tenellum T. Miami Co.
Lycopus rubellus Moench. Central & W. Ks.
Physalis lanceolata Mx., var. hirta G. Miami & other Cos
P. lanceolata Mx., var. lobata T. Central Ks.
P. lanceolata Mx., var. Torreyi T. Central Ks.
P. pubescens L. Miami & west.
P. subglabrata Mack. & Bush. Central Ks.
Solanum Carolinense L. Miami & Central Ks.
Verbascum Thapsus L. Miami & Central Ks.
Linaria vulgaris Hill. Miami & Central Ks.
Penstemon cobaea Nutt. Miami & Central Ks.
P. grandiflorus Nutt. Miami & Central Ks.
P. pallidus Small. Miami & Central Ks.
Mimulus alatus Ait. Miami & Central Ks.
M. ringens L. Miami & Central Ks.
Gratiola virginiana L. Miami & Central Ks.
Veronica peregrina L. Miami & Central Ks.
Ambrosia trifida L. Miami & Central Ks.
A. artemisiaefolia L. Miami & Central Ks.
Xanthium Canadense Mill. Miami & Central Ks.
Silphium laciniatum L. Miami & Central Ks.
S. integrifolium Mx. Miami & Central Ks.
S. perfoliatum L. Miami & Central Ks.
Parthenium integrifolium L. Miami & Central Ks.
Helenium autumnale L. Miami & Central Ks.
Helianthus grosseserratus Mart. Miami & Central Ks.
H. annuus L. Miami & Central Ks.
H. rigidus Desf. Miami & Central Ks.
H. tuberosus L. Miami & Central Ks.
Rudbeckia hirta L. Miami & Central Ks.
R. subtomentosa Pursh. Miami & Central Ks.
R. triloba L. Miami & Central Ks.
Lepachys pinnata T. & G. Miami & Central Ks.
L. columnaris T. & G. Miami & Central Ks.
Coreopsis tinctoria Nutt. Miami & Central Ks.
C. grandiflora Hogg. Miami & Central Ks.
C. lanceolata L. Miami & Central Ks.
C. palmata Nutt. Miami & Central Ks.
Bidens bipinnata L. Miami & Central Ks.
B. frondosa L. Miami & Central Ks.
B. connata Muhl. Miami & Central Ks.
B. cernua L. Miami & Central Ks.
Cosmos sulphureus Cav. Miami & Central Ks.
Helianthella uniflora T. & G. Miami & Central Ks.
Gaillardia pulchella Foug. Miami & Central Ks.
Chrysanthemum leucanthemum L. Miami & Central Ks.
Matricaria discoidea DC. Miami & Central Ks.
Anthemis cotula L. Miami & Central Ks.
Achillea millefolium L. Miami & Central Ks.
Artemisia ludoviciana Nutt. Miami & Central Ks.
A. annua L. Miami & Central Ks.
A. biennis Willd. Miami & Central Ks.
A. dracunculoides Pursh. Miami & Central Ks.
A. filifolia T. Miami & Central Ks.
A. frigida Willd. Miami & Central Ks.
A. gnaphalodes Nutt. Miami & Central Ks.
A. ludoviciana Nutt. Miami & Central Ks.
A. serrata Nutt. Miami & Central Ks.
A. tridentata Nutt. Miami & Central Ks.
Cacalia tuberosa Nutt. Miami & Central Ks.
Senecio aureus L. Miami & Central Ks.
S. crassulus DC. Miami & Central Ks.
S. glabellus Poir. Miami & Central Ks.
S. obovatus Muhl. Miami & Central Ks.
S. plattensis Nutt. Miami & Central Ks.
S. tomentosus Mx. Miami & Central Ks.
S. vulgaris L. Miami & Central Ks.
Cirsium altissimum Spreng. Miami & Central Ks.
C. arvense Scop. Miami & Central Ks.
C. discolor Spreng. Miami & Central Ks.
C. horridulum Mx. Miami & Central Ks.
C. lanceolatum Hill. Miami & Central Ks.
C. undulatum Spreng. Miami & Central Ks.
Carduus nutans L. Miami & Central Ks.
Lactuca canadensis L. Miami & Central Ks.
L. ludoviciana DC. Miami & Central Ks.
L. pulchella DC. Miami & Central Ks.
L. scariola L. Miami & Central Ks.
L. sagittifolia Ell. Miami & Central Ks.
Sonchus asper Vill. Miami & Central Ks.
S. oleraceus L. Miami & Central Ks.
Taraxacum officinale Weber. Miami & Central Ks.
Prenanthes alba L. Miami & Central Ks.
P. aspera Mx. Miami & Central Ks.
P. crepidinea Mx. Miami & Central Ks.
P. racemosa Mx. Miami & Central Ks.
P. serpentaria Pursh. Miami & Central Ks.
Krigia amplexicaulis Nutt. Miami & Central Ks.
K. virginica L. Miami & Central Ks.
Hieracium longipilum Torr. Miami & Central Ks.
H. scabrum Mx. Miami & Central Ks.
Lygodesmia juncea D. Don. Miami & Central Ks.
L. rostrata Gray. Miami & Central Ks.
Pyrrhopappus carolinianus DC. Miami & Central Ks.
P. scaposus DC. Miami & Central Ks.
Specularia leptocarpa G. Miami Co.
Lobelia Nuttallii Walt. Neosha Co.
Campanula Americana L. Central Ks.
C. stenophylla G. Miami and other Cos.
C. verticillata L., var. pumila G. Many Cos. in central Ks.
Sabbatia campestris T. Linn, Anderson and other Cos. in southeastern part of the State.
Gentiana Russellianum Gricb. Barton Co. - Great Bend
Phacelia parviflora Ph., var. hirsuta T. Labette Co.
Heliotropium tenellum T. Miami Co.
Lycopus rubellus Moench. Central & W. Ks.
Physalis lanceolata Mx., var. hirta G. Miami & other Cos
P. lanceolata Mx., var. lobata T. Central Ks.
P. lanceolata Mx., var. Torreyi T. Central Ks.
P. pubescens L. Miami & west.
P. subglabrata Mack. & Bush. Central Ks.
Solanum Carolinense L. Miami & Central Ks.
Verbascum Thapsus L. Miami & Central Ks.
Linaria vulgaris Hill. Miami & Central Ks.
Penstemon cobaea Nutt. Miami & Central Ks.
P. grandiflorus Nutt. Miami & Central Ks.
P. pallidus Small. Miami & Central Ks.
Mimulus alatus Ait. Miami & Central Ks.
M. ringens L. Miami & Central Ks.
Gratiola virginiana L. Miami & Central Ks.
Veronica peregrina L. Miami & Central Ks.
Ambrosia trifida L. Miami & Central Ks.
A. artemisiaefolia L. Miami & Central Ks.
Xanthium Canadense Mill. Miami & Central Ks.
Silphium laciniatum L. Miami & Central Ks.
S. integrifolium Mx. Miami & Central Ks.
S. perfoliatum L. Miami & Central Ks.
Parthenium integrifolium L. Miami & Central Ks.
Helenium autumnale L. Miami & Central Ks.
Helianthus grosseserratus Mart. Miami & Central Ks.
H. annuus L. Miami & Central Ks.
H. rigidus Desf. Miami & Central Ks.
H. tuberosus L. Miami & Central Ks.
Rudbeckia hirta L. Miami & Central Ks.
R. subtomentosa Pursh. Miami & Central Ks.
R. triloba L. Miami & Central Ks.

Verbena bipinnatifida N. Miami & west.
Lippia cuneifolia Steud. Central & S.
Hedeoma Drummondi Benth. Central Ks
Salvia azurea Lam., var. grandiflora BT. Miami & other Co.
S. lanceolata Willd.
Monarda clinopodioides G. Central Ks. ??
Scutellaria parvula Mx., var. mollis G. Miami Co.
S. Wrightii G. Phillips Co.
Oxybaphus hirsutus Sweet. Miami & west
O. angustifolius Sweet. Miami & west.
~~Abronia~~
Chenopodium Berlandieri Moq. Miami & other Cs. Com.
Atriplex patula L., var hastata G. S. & Central Ks.
Cladothrix lanuginosa N. Thomas Meehan states he has Coll. this in Ks. I think about the Central of the State.
Rumex venosus Pk. Ellis
Eriogonum tomentosum Mx. S. & Central Ks.
Euphorbia petaloidea Eng. Central Ks.
E. prostrata Ait. Miami Co.
E. Zygophylloides Baisz. Miami Co.
Croton Texensis Mull. S. & Central Ks.
Argythamnia mercurialina Mull. Wilson Co.
Crotonopsis linearis Mx. Coll. last year in Cherokee Co.
Andrastephium violaceum T. Butler Co.
Cuscuta angustifolia Pk. Central Ks.
Allium reticulatum Engs. Central N.
Yothvalena nivea Desv., var dealbata Sav.
Pellaea Wrightiana Hk. Central N. Ks.

Petal

Paola, Ks., June 19 1888

Dr. S. Watson

My Dear Sir: Your card at hand. I thought I would write you and send a few ~~no~~ notes which may be of some use to you.

Sophora sericea N. is found in central and w. Ks.

Glycyrhiza lepidota Pk. Franklin Co. and many other cos. Franklin Co. is 30 miles from the Mo. line.

I have a specimen of Clematis Fremonti N. coll. near St. Louis, Mo.

Sanguinaria canadensis grows in this Co.

Podophyla alba N. Common & as well as in many cos in w. & N. W. Ks.

The Lespedeza I sent you which you thought was L. Stuvei v. I once sent it to D.r. Rose and he said it was a n. sp. if it was not L. leptostachya Eng. This sp. he said he did not have. I have a specimen of L. lep. from Iowa. So I new it was not that species and I have also L. Stuvei which I thought was not the same as the L. I sent you.

I have coll. Solidago Bigelovii G. & S. Lindheimeriana Sch. One at Lawrence and the other near Windfield, K.

Heuchera hispida Pk. Johnson Co. 20 ms. from Kansas City, Mo.

Chaerophyllum procumbens L. b. Tainturieri T.R. Both Miami Co.

Heracleum Lanatum Mx. Miami Co.

Symphoricarpos occi. Nutt. Cherokee Co.

Galium pilosum Ait. Cherokee Co.

Chamaesarcha sordida G. Central Ks.

Verbascum Blattaria L.

V. Thapsus L. Both in many Co. in Ks.

Linaria canadensis Du. Stafford Co.

Obrysma Leptostachya L. In this Co. (Miami). I sent you a specimen about 1 year ago

Scutellaria versicolor Cherokee Co.

Yours truly

Lon. A. Hyster

HERBARIUM of DR. J. H. OYSTER.

I desire to exchange for Herbarium specimens from all parts of the World; and wish to accumulate a complete and general botanical library--including Biographies of all the most prominent botanists of all countries. I am also especially interested in the medicinal properties of plants. Preparing to publish botanical matter. Correspondence especially solicited from all quarters of the Globe.

Paola, Kansas, U. S. A. May 28 1887

Prof. S. Watson

Dear Sir:- Your letter came to hand to day. I send you an Eriogonum I coll. by myself in several Cos. in central ks. Edwards, Pratt, Kingman, Stafford and other Cos. Please give me the name of the species of Eriog. sent. I also send what I think is a Bumelia collected last week 80 miles southwest of here - Neosho Co. Ks. Argythamnia mercurialina - I coll. about 4 years ago in Wilson Co. Ks. about 100 miles S.W. of here Stillingia sylvatica Sedgwick Co. & Wichita. & Calypha Caroliniana Riley Co. Ks. Croton glandulosus linearis Cherokee C. S. & E. Ks.

That Lespedeza I sent you some time ago which I think you thought L. Stuvei I had sent to Dr. V. before and he said it was a n. sp. unless it was L. leptostachya which he had not a specimen. I have a spc of L. lept. I new it was not that plant

It seems to me in your Rev. of Eriogonum you report E. flavum or some other species as found in ts. but perhaps to far west for the Manual. It is likely we only have the one species ~~with~~ and it is the one I sent as those who have found them had not the discription. I want a copy of the Manual just as soon as it is out. If I can know the price and the time it will be out I can remit the price so I can have the publishers send it as soon as out.

Yours truly,
Dr. J. H. Oyster

Eriog. ammum, Nutt.
Alex Lawrencia, Greene

Paola Kans as Dec 23
Prof S. Watson
Dear Sir- I send you
a few plants & wish you
would name for me.
All col in Ks. but one. 1 col.
Gladothrix lanuginosa at Dodge
City, Ks. this season, also Astragalus
Lodiunn cinereum.
yours truly
Dr. J. H. Oyster

UNITED STATES

POSTAL CARD.

ONE CENT

NOTHING BUT THE ADDRESS TO BE ON THIS SIDE.

Prof. S. Watson
Cambridge
Mass